New Series, Vol. XXV, April, 1950 No. 1

THE CLEMSON AGRICULTURAL COLLEGE

RECORD

FIFTY-SEVENTH YEAR

CATALOG NUMBER

1949-1950

Preliminary Announcements 1950-1951

Published quarterly by the Clemson Agricultural College, Clemson, South Carolina. Entered as second-class matter April 25, 1905, at the Post Office at Clemson, South Carolina, under the Act of July 16, 1894, now superseded by the Act of August 24, 1912.

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COLLEGE CALENDAR

SUMMER TERM 1949

Matriculation and Registration	June 17
Classes begin	June 20
Independence Day holiday	July 4
Examinations	August 16-18
Summer Term ends	August 18

SESSION 1949-1950

Matriculation, new students	September 5
Registration, new students	September 7
Matriculation and Registration, former students	September 8, 9
Classes begin	September 12
State Fair holidays begin at 1 p.m.	October 19
State Fair holidays end at 10 p.m.	October 23
Thanksgiving holidays begin at 1 p.m.	November 23
Thanksgiving holidays end at 10 p.m.	November 27
Christmas holidays begin at 1 p.m.	December 21
Christmas holidays end at 10 p.m.	January 3
End of First Semester	January 28
Mid-Year Graduating Exercises	January 29
Matriculation, new students	January 30
Registration, new students	February 1
Matriculation and Registration, former students	February 2, 3
Classes begin	February 6
Easter holidays begin at 1 p.m.	April 6
Easter holidays end at 10 p.m.	April 10
Commencement	June 4

SUMMER TERM 1950

Matriculation and Registration	June 12
Classes begin	June 13
Independence Day holidays	July 3, 4
Examinations	August 9-11
Graduating Exercises at 11 a.m.	August 12

SESSION 1950-1951

Matriculation, new students	September 4
Registration, new students	September 6
Matriculation and Registration, former students	September 7, 8
Classes begin	September 11
State Fair holidays begin at 1 p.m.	October 18
State Fair holidays end at 10 p.m.	October 22
Thanksgiving holidays begin at 1 p.m.	November 22
Thanksgiving holidays end at 10 p.m.	November 26
Christmas holidays begin at 1 p.m.	December 20
Christmas holidays end at 10 p.m.	January 2
End of First Semester	January 27
Mid-Year Graduating Exercises	January 28
Matriculation, new students	January 29
Registration, new students	January 31
Matriculation and Registration, former students	February 1, 2
Classes begin	February 5
Easter holidays begin at 1 p.m.	March 22
Easter holidays end at 10 p.m.	March 26
Commencement	June 3

The above schedule is subject to change by the Faculty.

1950

JANUARY

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JANUARY

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THE CLEMSON AGRICULTURAL COLLEGE RECORD

PART I

Personnel

PART I—PERSONNEL

BOARD OF TRUSTEES

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Christie Benet, *Chairman* ---------- Columbia, Richland County
Paul Sanders ---------- Ritter, Colleton County
T. B. Young ---------- Florence, Florence County
R. M. Cooper ---------- Wisacky, Lee County
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Edgar A. Brown ---------- Barnwell, Barnwell County
Charles E. Daniel ---------- Greenville, Greenville County

Term Expires 1952

F. E. Cope ---------- Cope, Orangeburg County
T. W. Thornhill ---------- Charleston, Charleston County
J. B. Douthit, Jr. ---------- Pendleton, Anderson County

Term Expires 1954

Ben T. Leppard ---------- Greenville, Greenville County
J. F. McLaurin ---------- Bennettsville, Marlboro County
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STANDING COMMITTEES OF BOARD

Agricultural: Douthit, *Chairman;* Young, Cooper, Sanders, Cope, Barnette, McLaurin.

(This committee is also the Veterinary Committee, the Crop Pest Commission, and the Experiment Station Board of Control.)

Executive: Cooper, *Chairman;* Young, Byrnes, Daniel, Thornhill, Leppard.

Fertilizer: Cope, *Chairman;* Barnette, Sanders, Douthit, McLaurin.

Finance: Brown, *Chairman;* Cooper, Douthit, Thornhill, McLaurin.

STATED MEETINGS OF BOARD

3:00 P.M.—Third Friday in March
3:00 P.M.—Third Friday in June
3:00 P.M.—Fourth Monday in October

BOARD OF VISITORS

1949

Hugo S. Sims, Sr. ---------- Orangeburg
(Hold-over member)
R. D. Anderson ---------- Columbia
W. Marshall Bennett ---------- Walterboro
W. B. Camp ---------- Bakersfield, California
A. E. Creamer ---------- Florence
Arthur Maxwell Field ---------- Charleston
C. P. Guess, Jr. ---------- Denmark
Dewey H. Johnson ---------- Greenwood
Hugh C. Lane ---------- Charleston
Sam Latimer ---------- Columbia
Raymond Pender ---------- Williston
W. B. Wilkerson, Jr. ---------- York

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First Vice-President

M. D. Berry, '13 ---------- Atlanta, Ga.

Second Vice-President

John LeRoy Nichols, '23 ---------- Sumter, S. C.

Secretary-Treasurer

J. H. Woodward, Ex. '03 ---------- Clemson, S. C.

Assistant Treasurer

A. J. Brown, '12 ---------- Clemson, S. C.

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District 3—W. K. Magill, '15 ---------- Chester, S. C.
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District 5—N. E. Byrd, '10 ---------- Branchville, S. C.
District 6—George Warren, '08 ---------- Hampton, S. C.
District 7—W. L. Schacte, '34 ---------- Charleston, S. C.
District 8—K. B. Hodges, Ex. '19 ---------- Bennettsville, S. C.
District 9—R. H. Fike, '08 ---------- Atlanta, Ga.
District 10—Ralph B. Stewart, '15 ---------- Washington, D. C.
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District 12—W. B. Camp, '16 ---------- Bakersfield, Calif.

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Cecil L. Reid, '02 ---------- Fredericksburg, Va.
J. M. Dunlap, '23 ---------- Cleveland, Tenn.

OFFICERS OF ADMINISTRATION

ROBERT FRANKLIN POOLE, PH.D., D.SC., LL.D.
President

FORREST EUGENE COOKSON, COLONEL, INFANTRY
U. S. ARMY
Commandant and Professor of Military Science and Tactics

ANDREW JOSEPH BROWN, B.S.
Treasurer and Secretary of Board of Trustees

SAMUEL WILDS EVANS
Treasurer Emeritus and Secretary Emeritus of Board of Trustees

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Business Manager

LEE W. MILFORD, M.D.
Surgeon

GUSTAVE ERNEST METZ, B.S., M.A.
Registrar

HERBERT PRESS COOPER, PH.D.
Dean, School of Agriculture and
Director, Agricultural Experiment Station

RUPERT ALONZO McGINTY, B.S., A.M.
Vice-Director, Agricultural Experiment Station

FRANCIS MARION KINARD, A.B., A.M., LITT.D.
Dean, School of Arts and Sciences

DAVID WISTAR DANIEL, A.M., LITT.D.
Dean Emeritus, School of Arts and Sciences

HOWARD LOUIS HUNTER, PH.D.
Dean, School of Chemistry

FRED HARVEY HALL CALHOUN, PH.D.
Dean Emeritus, School of Chemistry

WILLIAM HAROLD WASHINGTON, B.S., M.S.
Dean, School of Education

SAMUEL BROADUS EARLE, A.M., M.E., LL.D.
Dean, School of Engineering
Director, Engineering Experiment Station

JAMES HAGOOD SAMS, JR., PH.D.
Vice-Dean, School of Engineering

HOWARD EMMITT GLENN, B.S. in C.E.
Vice-Director, Engineering Experiment Station

HUGH MONROE BROWN, PH.D.
Dean, School of Textiles

BRUCE DAYVAULT CLOANINGER, B.S., M.S.
Secretary, Board of Fertilizer Control

**ROY AIKEN MAYS, B.SC., D.V.M.
Director of Livestock Sanitary Work, State Veterinarian

DAVID WAYNE WATKINS, B.S., M.A.
Director of Extension Service

CORNELIA AYER GRAHAM, B.S.
Librarian

**Office: John C. Calhoun State Office Building, Columbia, S. C.

FACULTY †

ROBERT FRANKLIN POOLE
President
Ph.D., Rutgers University; D.Sc., Clemson Agricultural College; LL.D., University of South Carolina

°ADAMS, LEONARD CALDWELL, *Instructor in Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1943; Graduate Work, Oklahoma A & M College, 1949-1950.

ALLEN, WILLIAM OSBORNE, *Instructor in Knitting.*
B.S., North Carolina State College, 1949.

ANDERSON, PETER MCINTOSH, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1935; Graduate: Company Officers Basic Course, The Infantry School, 1948.

ARMSTRONG, GEORGE MILLER, *Head of Botany and Bacteriology Department; Professor of Botany and Bacteriology.*
B.S., Clemson Agricultural College, 1914; M.A., University of Wisconsin, 1917; Ph. D., Washington University, 1921.

ARMSTRONG, PERCY LAMAR, *Assistant Professor of Mathematics.*
A.B., 1919; M.A., 1920, Southwestern University.

AULL, GEORGE HUBERT, *Head of Agricultural Economics and Rural Sociology Department; Professor of Agricultural Economics.*
B.S., Clemson Agricultural College, 1919; M.S., University of Virginia, 1928; Ph.D., University of Wisconsin, 1937.

BANISTER, ROBERT ALLEN, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1939; M.S., Bradley University, 1949.

BAUKNIGHT, LEHMAN M., JR., *Assistant Professor of Agricultural Economics.*
B.S., 1935; M.S., 1949, Clemson Agricultural College.

BEAVEN, WILLIAM MORRIS, *Assistant Professor of Air Science and Tactics.*
Captain, United States Air Force; B.A., St. Mary's University, 1941; Graduate: Primary, Basic, Advanced Flying Schools, 1941-1942; Instrument Flying School, 1949.

BECKER, CARL LEWIS, *Assistant Professor of Electrical Engineering.*
B.S., Brown University, 1945; M.S., Carnegie Institute of Technology, 1947.

BELL, MARSHALL CORNETT, *Associate Professor of Mathematics.*
A.B., 1933, M.A., 1936, University of North Carolina.

BERNE-ALLEN, ALLAN, *Head of Chemical Engineering Department; Professor of Chemical Engineering.*
B.S.E., University of Michigan, 1924; Ch.E., Columbia University, 1933; Ph.D., Columbia University, 1936.

BERRY, ERNEST B., *Instructor in Weaving and Designing.*
University of Pennsylvania, 1933-1935; Philadelphia Textile Institute, 1935-1941.

BEYER, FRANZ WILLIAM, *Assistant Professor of Electrical Engineering.*
B.A., Ohio State University, 1936; B.E.E., Ohio State University, 1939; Graduate Work, Clemson Agricultural College, 1949.

BICKELHAUPT, ROY EDWARD, *Instructor in Ceramic Engineering.*
B.S. in Cer. E., University of Illinois, 1950.

BIGGS, GILBERT WARREN, *Assistant Professor of Economics.*
B.S., 1946, M.S., 1947, Virginia Polytechnic Institute; Graduate Work, University of Virginia, 1947-1948.

†Faculty list compiled February 15, 1950.
°On leave.

BLAIR, WILLIAM GARDINER, *Assistant Professor of Carding and Spinning.*
New Bedford Textile School, 1908; Clemson Agricultural College, Summer, 1927.

BOLEN, CLAUDE WALDRON, *Associate Professor of History and Government.*
A.B., Emory and Henry College, 1931; M.A., 1935, Ph.D., 1941, Duke University.

BOOKER, LEONARD ROWLAND, *Itinerant Teacher-Trainer Industrial Education.*
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1932; Graduate Work, Clemson Agricultural College, Summers 1938, 1939.

BOOKER, MELZAR PEGRAM, *Instructor in Architecture.*
B.S., Clemson Agricultural College, 1948.

BOWEN, WILLIAM CLAYTON, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1932; M.S., Colorado State College, 1940.

BOYD, VIRLYN ALEXANDER, *Assistant Professor of Rural Sociology.*
B.S.A., Berry College, 1941; M.S.A., University of Kentucky, 1948.

BRADBURY, DOUGLAS WILSON, *Assistant Professor of Drawing.*
B.M.E., Clemson Agricultural College, 1940; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.

BRADLEY, MARK EDWARD, *Head of English Department; Professor of English.*
A.B., Erskine College, 1898; Graduate Work, University of Chicago, Summers 1904, 1910; University of North Carolina, Summer, 1927.

BRANNON, CARROLL CLEVELAND, *Associate Professor of Dairying.*
B.S., Clemson Agricultural College, 1934; Graduate Work, Clemson Agricultural College, 1949.

*BREWSTER, JAMES PENDLETON, *Associate Professor of Mathematics.*
A.B., 1935, M.A., 1940, Duke University; Graduate Work, Duke University, 1949-1950.

BROCK, DEWEY CLIFTON, *Assistant Professor of Wood Shop.*
B.S., University of South Carolina, 1925; Graduate Work, Clemson Agricultural College, 1947-1948, 1948-1949, 1949.

BROCK, JOHN LELAND, *Head of Industrial Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1927; M.A., George Peabody College, 1936.

BROWN, HUGH MONROE, *Dean, School of Textiles.*
B.A., 1920, M.A., 1921, University of Denver; Ph.D., University of California, 1927.

BROWN, JONAS WILLIAM, *Assistant Professor of Mathematics.*
B.S., North Carolina State College, 1931; M.A., Duke University, 1948.

BROWNLEY, FLOYD IRVING, JR., *Assistant Professor of Chemistry.*
B.S., Wofford College, 1939; M.S., Virginia Polytechnic Institute, 1941; Graduate Work, University of Florida, Summer, 1949.

BRYAN, NOAH ROSENBERGER, *Associate Professor of Mathematics.*
B.A., Pennsylvania State, 1913; A.M., University of Pennsylvania, 1918; Ph.D., Columbia University, 1921.

BURTNER, FRANK A., JR., *Associate Professor of Sociology.*
B.A., M.A., University of Texas, 1939; Graduate Work, University of Texas, Summer, 1940; Harvard University, Summer, 1941; University of North Carolina, 1944; Yale University 1946-1947; University of North Carolina, 1947-1948.

BYARS, EDWARD FORD, *Instructor in Mechanics and Hydraulics.*
B.M.E., Clemson Agricultural College, 1946.

BYNUM, WILLIAM LEWIS, *Assistant Professor of Military Science and Tactics.*
Captain, Ordnance Department, United States Army; B.S., North Carolina State College, 1937; Graduate: Ordnance General Course, The Ordnance School, 1944.

CALHOUN, FRED HARVEY HALL, *Dean Emeritus, School of Chemistry and Geology; Professor Emeritus of Geology and Mineralogy.*
B.S., 1898, Ph.D., 1902, University of Chicago.

*On leave.

CAMPBELL, THOMAS ALEXANDER, JR., *Associate Professor of Textiles.*
B.S., Clemson Agricultural College, 1928; M.Ed., Pennsylvania State College, 1947.

*CARMICHAEL, MARSDEN BEVERLY, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1947; Graduate Work, Purdue University, 1949-1950.

CARODEMOS, PETER, *Professor of Chemistry.*
B.S., Tufts College, 1922; Ph.D., Cornell University, 1927; Harvard University, Summer, 1932; Massachusetts Institute of Technology, Summers, 1941, 1949.

*CARPENTER, CHARLES HAROLD, *Instructor in History and Government.*
A.B., Lenoir-Rhyne College, 1945; M.A., George Peabody College, 1946; Graduate Work, University of Chicago, 1948; University of North Carolina, 1948-1949, 1949-1950.

CARSON, LEWIS ANDERSON, *Instructor in Weaving.*
B.S., Clemson Agricultural College, 1949.

*CARSON, ROBERT GORDON, JR., *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1939; Graduate Work, Georgia Institute of Technology, 1949-1950.

CARTEE, EUGENE FRANKLIN, *Associate Professor of Weaving and Designing.*
B.S., Clemson Agricultural College, 1925; M.S., University of Tennessee, 1937; Graduate Work, Pennsylvania State College, Summer, 1941.

CARTER, CLIFTON WALKER, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1933.

CASKEY, CLAIRE OMAR, *Instructor in English.*
B.S., Appalachian State Teachers College, 1947; A.M., Duke University, 1948; Graduate Work, Duke University, Summer, 1949.

*CLARK, GRADY WAYNE, *Instructor in Physics.*
B.S., Clemson Agricultural College, 1944; Graduate Work, University of Virginia, 1947-1948, 1948-1949, 1949-1950.

CLARKE, ELWYN LORENZO, *Head of Civil Engineering Department; Professor of Civil Engineering.*
B.S. in C.E., 1902, C.E., 1931, University of Illinois.

COAKLEY, GEORGE EDWARD, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: The Infantry School, Basic Course, 1941; Iceland Base Command School, 1943.

COHEN, HENRY RUSSELL, *Assistant Coach.*
B.S., Vanderbilt University, 1917.

COKER, EDWARD CALEB, JR., *Associate Professor of Mathematics.*
B.S., University of South Carolina, 1928; M.A., University of North Carolina, 1930; Graduate Work, Brown University, 1932; University of Chicago, Summers 1936, 1938, 1939; University of Chicago, 1939-1940.

COLLINGS, GILBEART HOOPER, *Professor of Soils.*
B.S., Virginia Polytechnic Institute, 1915; M.S., University of Illinois, 1917; Ph.D., Rutgers University, 1925.

COOK, JAMES CLINTON, JR., *Assistant Professor of Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1939.

COOK, JAMES RUSSELL, *Associate Professor of Animal Husbandry.*
B.S., Texas Agricultural and Industrial College, 1939; M.S., Iowa State College, 1948.

COOKSON, FORREST EUGENE, *Professor of Military Science and Tactics, Commandant of Cadets.*
Colonel, Infantry, United States Army; B.S., United States Military Academy, 1918; Graduate: Infantry School, 1920; Command and General Staff School, 1936.

*On leave.

COOPER, HERBERT PRESS, *Dean, School of Agriculture; Director, Agricultural Experiment Station; Head of Agronomy Department; Professor of Agronomy.*
B.S., Clemson Agricultural College, 1911; M.S., University of Wisconsin, 1916; Ph.D., Cornell University, 1922.

COOPER, JAMES BRONAUGH, *Associate Poultry Husbandman.*
B.S., University of Kentucky, 1935; M.S., University of Kentucky, 1938.

COUCH, JAMES HOUSTON, *Assistant Professor of Forge and Foundry.*
B.S., Clemson Agricultural College, 1941.

COX, ALFRED CARY, *Assistant Coach.*
B.S., Clemson Agricultural College, 1949.

*COX, H. MORRIS, *Associate Professor of English.*
A.B., 1937, M.A., 1939, Duke University; Graduate Work, University of Pennsylvania, 1948-1949, 1949-1950.

COX, JAMES TRAMMELL, *Instructor in English.*
A.B., University of North Carolina, 1942; Graduate Work, University of North Carolina, 1945-1946.

COX, WALTER THOMPSON, *Assistant Coach.*
B.S., Clemson Agricultural College, 1939.

CRONIN, EUGENE STEPHENS, *Assistant Professor of Military Science and Tactics.*
Captain, Quartermaster Corps, United States Army; A.B., Boston College, 1937.

CROUCH, SYDNEY J. L., *Head of Religion Department; Professor of Religion.*
Scotch College, Western Australia, 1910; Biblical Seminary, New York, 1915; B. D. Hartford Theological Seminary, 1922; Th.D., Union Theological Seminary, Richmond, Virginia, 1937.

CURTIS, DONALD DEXTER, *Head of Mechanics and Hydraulics Department; Professor of Mechanics and Hydraulics.*
B.E., University of Iowa, 1919; M.S., University of Iowa, 1931.

DALTON, LLOYD AMES, *Assistant Professor of Air Science and Tactics.*
Lieutenant, United States Air Force; B.S., Texas Agricultural and Mechanical College, 1933; Graduate: Officers' Training School, Miami Beach, 1943; Aviation Engineering, Geiger Field, 1945; Air University, Craig Field, 1949.

DANIEL, DAVID WISTAR, *Dean Emeritus, School of Arts and Sciences; Professor Emeritus of English.*
A.B., Wofford College, 1892; M.A., Vanderbilt University, 1901; Litt.D., Wofford College, 1914.

DAVIS, CECIL COOK, *Instructor in Economics.*
B.B.A., 1947, M.B.A., 1949, University of Georgia.

DEAN, JORDAN ARTHUR, *Associate Professor of French and Spanish.*
A.B., Wofford College, 1933; M.A., Vanderbilt University, 1934; Graduate Work, University of Illinois, 1937.

DILLON, ROBERT MORTON, *Assistant Professor of Architecture.*
B. Arch., University of Washington, 1949.

DINWIDDIE, JOSEPH GRAY, JR., *Assistant Professor of Chemistry.*
B.S., Randolph-Macon College, 1942; Ph.D., University of Virginia, 1949.

DUNAVAN, DAVID, *Associate Professor of Entomology and Zoology.*
B.S., Oregon Agricultural College, 1925; M.S., Iowa State College, 1928; Graduate Work, Cornell University, Summers 1929, 1931, 1935.

EARLE, SAMUEL BROADUS, *Dean, School of Engineering; Professor of Mechanical Engineering; Director, Engineering Experiment Station.*
A.B., 1898, A.M., 1899, Furman University; M.E., Cornell University, 1902; LL.D., Furman University, 1932.

EDWARDS, GEORGE HERBERT, JR., *Associate Professor of Mathematics.*
B.A., M.A., University of South Carolina, 1913; Graduate Work, University of Chicago, Summer, 1915; Columbia University, 1917, 1919, Summer, 1917.

*On leave.

EDWARDS, JOHN CALHOUN, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1942.

*EDWARDS, JAMES LEON, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1941; Graduate Work, Pennsylvania State College, 1949-1950.

EPTING, CARL LAFAYETTE, *Acting Head of Social Science Department; Professor of History and Government.*
A.B., Newberry College, 1921; A.M., University of South Carolina, 1924; Graduate Work, University of South Carolina, 1926, 1928, 1932-1934; University of North Carolina, Summers 1927, 1928.

FARRAR, MILTON DYER, *Head of Entomology and Zoology Department; Professor of Entomology and Zoology.*
B.S., Iowa State College, 1925; M.S., South Dakota State College, 1927; Ph.D., Iowa State College, 1933.

FEELEY, ROBERT OLIVER, *Head of Veterinary Science Department; Professor of Veterinary Medicine.*
D.V.S., New York University, 1906.

FELDER, HERMAN MCDONALD, JR., *Assistant Professor of English.*
A.B., Wofford College, 1930; M.A., Vanderbilt University, 1937; Graduate Work, Duke University, Summers, 1933, 1934, 1946.

FERNOW, BERNHARD EDWARD, *Head of Mechanical Engineering Department; Professor of Mechanical Engineering.*
A.B., 1904, M.E., 1906, Cornell University.

FERRIER, WALLACE THOMAS, *Professor of Agricultural Economics.*
A.B., Tarkio College, 1910; M.S., Colorado State College, 1930; Ph.D., University of Minnesota, 1938.

*FORD, JOHN MARTIN, *Instructor in Civil Engineering.*
B.C.E., Clemson Agricultural College, 1946; Graduate Work, University of North Carolina, 1949-1950.

FOSTER, CHARLES D., *Assistant Professor of Military Science and Tactics.*
Major, Corps of Engineers, United States Army; B.S., Oregon State College, 1931; Graduate: Engineer School; Instructors Course, 1941; Divisional Course, 1943; Cadre Course, 1943.

FREEMAN, EDWIN JONES, *Head of Industrial Engineering Department; Professor of Industrial Engineering and Metallurgy.*
B.S., 1922, M.E., 1939, Clemson Agricultural College; M.S., Virginia Polytechnic Institute, 1942.

FRICK, WINFORD HUIELL, *Instructor in Weaving and Designing.*
B.S., Clemson Agricultural College, 1949.

GAGE, GASTON, *Head of Yarn Manufacturing Department, Professor of Carding and Spinning.*
B.S., Clemson Agricultural College, 1921; M.Ed., Pennsylvania State College, 1941.

GAINES, HENRY PEDEN, *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1950.

GAMBRELL, CARROLL BLAKE, JR., *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1949.

GARRISON, OLEN BRANFORD, *Professor of Horticulture.*
B.S., Clemson Agricultural College, 1933; M.S., Louisiana State University, 1934; Ph.D., Cornell University, 1939.

GATES, JOHN HOBART, *Head of Architectural Department; Professor of Architecture.*
B.S., Bates College, 1924; B.F.A., Yale University, 1928.

GENTRY, JOHN BAKER JR., *Associate Professor of Vocational Education.*
B.S., Furman University, 1932; Ed.M., Duke University, 1939; Graduate Work, University of Georgia, Summer, 1949.

*On leave.

GERRITSEN, BURTON HENRY, *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1949.

GILES, EDWARD STARKEY, *Assistant Professor of Electrical Engineering.*
B.S., Clemson Agricultural College, 1937.

GLENN, HOWARD EMMITT, *Vice-Director, Engineering Experiment Station, Professor of Civil Engineering.*
B.S. in C.E., 1922, C.E., 1927, University of Kentucky; Graduate Work, Illinois Institute of Technology, Summer, 1940.

GLENN, JOE DAVIS, JR., *Assistant Professor of Civil Engineering.*
B.C.E., Clemson Agricultural College, 1942; Graduate Work, University of Tennessee, 1947-1948.

GODLEY, WILLIE CECIL, *Assistant Professor of Animal Husbandry.*
B.S., Clemson Agricultural College, 1943; M.S., North Carolina State College, 1949.

GOLDGAR, BERTRAND ALVIN, *Instructor in English.*
B.A., 1948; M.A., 1949, Vanderbilt University.

GOODALE, BEN EDMUND, *Professor of Dairying.*
B.S., 1922, M.S., 1929, Iowa State College.

GOODIN, CURTIS PAUL, *Assistant Professor of Electrical Engineering.*
B.S., University of Kentucky, 1948.

GRAHAM, JOHN SMITH, *Assistant Professor of Research and Testing.*
B.S., Clemson Agricultural College, 1943.

GRAMLING, ROY MCQUEEN, JR., *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1940; Armored Force Maintenance School 1941-1942.

*GREEN, CLAUDE BETHUNE, *Associate Professor of English.*
B.A., 1935, M.A., 1938, University of Georgia; Graduate Work, University of North Carolina, Summer, 1938; University of Georgia, 1938-1940; Duke University, Summer, 1941; Yale University, 1946-1947; Duke University, 1948-1949, 1949-1950.

GREEN, JOSEPH COLEMAN, *Professor of English.*
B.A., 1920, M.A., 1924, Ph.D., 1937, Vanderbilt University.

GRIBBIN, ROBERT EMMET, JR., *Assistant Professor of Religion.*
B.A., Sewanee, 1937; S.T.B., General Theological Seminary, 1941; Graduate Work, Columbia University, Summer, 1949.

GUEST, CLYDE MAXWELL, *Instructor in Chemistry.*
B.Ch.E., Clemson Agricultural College, 1949.

GUION, THOMAS HYMAN, *Assistant Professor of Textile Chemistry and Dyeing.*
B.S., Davidson College, 1940; Ph.D., University of North Carolina, 1949.

HALLMARK, GLENN DUNCAN, *Associate Professor of Electrical Engineering.*
B.S. in E.E., 1935, M.S. in E.E., 1946, Texas A. & M. College.

HAMMETT, LYMAN RUSSELL, *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1948.

HAMMOND, ALEXANDER FRANCIS, *Instructor in Drawing.*
B.E.E., Clemson Agricultural College, 1949.

*HANCE, LACONLA HINSON, *Assistant Professor of Weaving and Designing.*
B.S., Clemson Agricultural College, 1946; Graduate Work, Institute of Textile Technology, 1947-1948, 1948-1949, 1949-1950.

HARDEE, A. MAYNOR, *Instructor in French and Spanish.*
A.B., 1947, M.A., 1948, University of South Carolina; Graduate Work, University of North Carolina, Summer, 1949.

HARDEN, JOHN CHARLES, JR., *Instructor in Mathematics.*
B.S., Mississippi College, 1947; M.A., University of Tennessee, 1949.

*On leave.

HARDIN, ELLIOTT WANNAMAKER, *Assistant Professor of Religion.*
A.B., Wofford College, 1935; B.D., Duke University, 1938.

HARLEY, JAMES HADLEY, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1946.

HARRELSON, MCLEOD WILSON, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1948-1949, 1949-1950.

HENDRICKS, THOMAS ANDREW, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1937.

HENDRIX, RICHARD CALVIN, *Instructor in Carding and Spinning.*
B.S., Clemson Agricultural College, 1948.

HEYN, ANTONIUS NICOLAAS JOHANNES, *Professor of Natural and Synthetic Fibers.*
B.S., and M.S., Utrecht University, 1929; Ph.D., Utrecht University 1931; Fellowship with Rockefeller Foundation, College de France, 1932-1933.

*HIND, ALFRED THOMAS, JR., *Instructor in Mathematics.*
A.B., 1934, M.A., 1936. Emory University; Graduate Work, Columbia University, 1937-1938, University of Michigan, 1949-1950.

HOBSON, JAMES HARVEY, *Assistant Professor of Chemistry.*
B.S., University of South Carolina, 1939; M.A., Emory University, 1947; Graduate Work, Emory University, 1947-1948.

HODGE, WYLIE FORT DUPRE, *Assistant Professor of Architecture.*
Clemson Agricultural College, 1907-1908, 1908-1909; New York School of Fine and Applied Arts, 1915-1916, 1920-1921; R.R. Gallerie di Firenze, Italy, Summer, 1931.

HODGES, BAXTER HOWARD, *Assistant Professor of Chemistry.*
B.S., Clemson Agricultural College, 1933; Graduate Work, University of North Carolina, Summers 1935, 1936, 1937, 1938, 1939; Virginia Polytechnic Institute, Summers 1940, 1941, 1942.

HOLMES, ALESTER GARDEN, *Professor Emeritus of History.*
B.S., The Citadel, 1897; Graduate Work, University of Chicago, Summer 1911.

HOLT, ALBERT HAMILTON, *Instructor in English.*
A.B., 1939, M.A., 1947, University of North Carolina.

HOWARD, FRANK JAMES, *Head Coach of Intercollegiate Athletics.*
B.S., University of Alabama, 1931.

HROMI, JOHN DAVID, *Instructor in Mechanics and Hydraulics.*
B.S., Carnegie Institute of Technology, 1948; Graduate Work, University of Pittsburgh, Summer, 1949.

*HUBBARD, JULIUS CLIFFORD, JR., *Assistant Professor of Weaving.*
B.S., Clemson Agricultural College, 1942; Graduate Work, Georgia Institute of Technology, 1949-1950.

HUDSON, WILLIAM GARRAUX, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1946.

HUENERS, GEORGE WILLIAM, *Assistant Professor of Air Science and Tactics.*
Major, United States Air Force; D.C., Ph.C., Texas Chiropractic College, 1940; Graduate: Primary, Basic, Advanced Flying Schools, 1941-42, AAF School of Applied Tactics, 1942; Command and General Staff School, Air Staff Course, 1946; Transportation Refresher Course Air Defense Command, 1947.

HUFF, LORENZ DITMAR, *Head of Physics Department; Professor of Physics.*
A.B., 1927, M.S., 1928, Oklahoma University; Ph.D., California Institute of Technology, 1931.

HUGHES, DAVIS GREGORY, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1939.

*On leave.

HUMPHREYS, HAROLD WESLEY, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., North Carolina State College, 1943; M.S., State University of Iowa, 1950.

HUNTER, HOWARD LOUIS, *Dean School of Chemistry and Geology; Professor of Chemistry.*
B. Chem., 1925, Ph.D., 1928, Cornell University; Massachusetts Institute of Technology, Summer 1939.

HUNTER, JOSEPH EVERETT, *Professor Emeritus of Mathematics.*
B.S., Clemson Agricultural College, 1896; Graduate Work, University of Chicago, Summers 1902, 1904, 1910; University of North Carolina, Summer 1928.

HURST, VICTOR, *Associate Professor of Dairying.*
B.S., 1938, M.S., 1940, Rutgers University; Ph.D., University of Missouri, 1948.

HUSMANN, WERNER EMIL AUGUST, *Professor of Agricultural Economics.*
B.S., University of Berlin, 1931; Ph.D., University of Berlin, 1933.

JACQUES, JAMES ROBERT, *Instructor in Physics.*
B.S., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1948-1949, 1949.

JAMESON, LAKE HUGH, *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1942.

JARRELL, HERMAN ARNOLD, *Assistant Professor of Physics.*
A.B., Catawba College, 1941; Ph.D., University of North Carolina, 1948.

JOHNSON, RALPH BERNARD, *Instructor in Mathematics.*
A.B., Gustavus Adolphus College, 1940; M.A., Teachers College, Columbia University, 1941; M.A., University of Tennessee, 1949.

JONES, CHAMP MCMILLIAN, *Associate Professor of Agronomy.*
B.S., Clemson Agricultural College, 1939; M.S., Cornell University, 1940.

JONES, JESS WILLARD, *Associate Professor of Agronomy.*
B.S., Clemson Agricultural College, 1937; M.S., Cornell University, 1938.

JONES, MORRIS WILEY, *Instructor in Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1947; Graduate Work, Clemson Agricultural College, 1947-1948, 1948-1949, 1949-1950.

JONES, ROBERT MORGAN, *Assistant Coach.*
B.S., Clemson Agricultural College, 1930.

JUMPER, ROY EULLISS, *Instructor in History and Government.*
A.B., M.A., University of South Carolina, 1949.

*KELLY, LOUIS GRANT, *Assistant Professor of Mathematics.*
B.S., Clemson Agricultural College, 1937; Graduate Work, University of North Carolina, Summers 1938, 1939, 1940, 1941; University of Minnesota, 1948-1949, 1949-1950.

KERR, HUGH BARKLEY, *Instructor in Mechanical Engineering.*
B.S., University of Tennessee, 1947; Graduate Work, University of Tennessee, Summer, 1949.

KERSEY, ROBERT NOEL, JR., *Assistant Professor of Electrical Engineering.*
B.S. in E.E., Georgia School of Technology, 1942.

KINARD, FRANCIS MARION, *Dean, School of Arts and Sciences; Professor of English.*
A.B., Wofford College, 1923; A.M., University of North Carolina, 1929; Graduate Work, University of North Carolina, Summer 1930; Litt.D., Wofford College, 1944.

KING, WILLIS ALONZO, *Professor of Dairying.*
B.S., Clemson Agricultural College, 1936; M.S., 1938, Ph.D., 1940, University of Wisconsin.

KIRBY, EUGENE WILLIAM, *Assistant Professor of Military Science and Tactics.*
Captain, Quartermaster Corps, United States Army; B.S., John Carroll University, 1940; Graduate: Officers' Candidate School, 1942.

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*On leave.

KIRKLEY, FRANCIS EDWARD, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1929; Graduate Work, Clemson Agricultural College, Summers 1938, 1939, 1940; University of Kentucky, Summers, 1942, 1943, 1946, 1947.

KIRKWOOD, CHARLES EDWARD, JR., *Associate Professor of Mathematics.*
A.B., Lynchburg College, 1935; M.S., University of Georgia, 1937; Graduate Work, University of North Carolina, Summer 1939; Duke University, Summer 1940.

KLUGH, WILLISTON WIGHTMAN, *Professor Emeritus of Drawing and Designing; Head of Drawing and Designing Department, Emeritus.*
B.S., Clemson Agricultural College, 1896; Graduate Work, Vanderbilt University, 1898; Cornell University, 1900.

LAGRONE, JOHN WALLACE, *Associate Professor of Mathematics.*
B.S., Clemson Agricultural College, 1932; M.A., Vanderbilt University, 1934; Graduate Work, University of Kentucky, 1939-1940.

LAMBERT, ROBERT STANSBURY, *Instructor in History and Government.*
A.B., 1942; M.A., 1948, University of North Carolina; Graduate Work, University of North Carolina, 1948-1949.

LANDER, ERNEST M. JR., *Associate Professor of History and Government.*
A.B., Wofford College, 1937; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, Summers 1940, 1941, 1942, 1947-1948, 1948-1949.

LANE, JOHN DEWEY, *Professor of English.*
A.B., Newberry College, 1920; M.A., University of Virginia, 1924; Graduate Work, Columbia University, 1928-1929; Summer 1923; George Peabody College, Summer 1935.

LAMASTER, JOSEPH PAUL, *Head of Dairy Department; Professor of Dairying.*
B.S., 1913, M.S., 1928, University of Kentucky.

LANGSTON, JAMES HORACE, *Associate Professor of Textile Chemistry and Dyeing.*
A.B., Stephen F. Austin State Teachers College of Texas, 1937; M.A., 1939, Ph.D., 1941, University of North Carolina.

LAROCHE, EVANS ALLEN, *Assistant Professor of Weaving.*
B.S., Clemson Agricultural College, 1942.

LATHEM, RALPH CRENSHAW, *Assistant Professor of Yarn Manufacturing.*
B.S., Alabama Polytechnic Institute, 1941; Graduate Work, Clemson Agricultural College, 1949.

LAZAR, JAMES TARLTON, JR., *Assistant Professor of Dairying.*
B.S., Clemson Agricultural College, 1943; M.S., Cornell University, 1949.

LEE, RUDOLPH EDWARD, *Professor Emeritus of Architecture; Head of Architectural Department, Emeritus.*
B.S., 1896, M. Arch. 1928, Clemson Agricultural College; Graduate Work, Zanerian Art School, Summer 1899; Cornell University, Summer 1900; University of Pennsylvania, 1901.

LEHOTSKY, KOLOMAN, *Associate Professor of Forestry.*
Forest Engineer, Bohemian Technical University, Prague, Czechoslovakia, 1928. Ph.D., University of Michigan, 1934.

LEWIS, ALEXANDER DODGE, *Associate Professor of Mechanical Engineering.*
B.S. in M.E., University of Tennessee, 1939; M.M.E., Yale University, 1946.

LEWIS, THOMAS WATSON, JR., *Instructor in Chemistry.*
B.S., Clemson Agricultural College, 1950.

LINDENBERG, EDWARD AUGUST, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1949.

LINDSAY, JOSEPH, JR., *Head of Textile Chemistry and Dyeing Department; Professor of Textile Chemistry and Dyeing.*
A.B., Erskine College, 1919; M.S., University of Tennessee, 1945.

LINDSEY, TATE JEFFERSON, *Professor of Physics.*
B.S., Mississippi College, 1928; Ph.D., Indiana University, 1936.

LITTLEJOHN, CHARLES EDWARD, *Assistant Professor of Chemical Engineering.*
B.S., Clemson Agricultural College, 1940; M.Ch.E., North Carolina State College, 1941; Graduate Work, Virginia Polytechnic Institute, 1946-1947, Summer, 1949.

LONG, JIM THOMAS, *Assistant Professor of Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1943; Graduate Work, Georgia Institute of Technology, 1948-1949.

LONGSTREET, ROBERT HUDSON, *Associate Professor of Architecture.*
B.S., University of Virginia, 1936.

LOWRY, WALTER LEE, JR., *Associate Professor of Civil Engineering.*
B.S. in C.E., Virginia Military Institute, 1930; M.C.E., Rensselaer Polytechnic Institute, 1938.

LUDWIG, DONALD ALLEN, *Instructor in Economics.*
B.A., Allegheny College, 1947; Graduate Work, University of Virginia, 1947-1949.

MCADAMS, WILLIAM NEWTON, *Associate Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1938; M.S., University of Georgia, 1939.

MCCORMAC, JACK CLARK, *Instructor in Civil Engineering.*
B.S., The Citadel, 1948; M.S., Massachusetts Institute of Technology, 1949.

MCCULLOCH, JOHN TALBOT, *Instructor in Architecture.*
B.S., Clemson Agricultural College, 1947.

MCDONALD, PATRICK HILL, JR., *Instructor in Mechanics and Hydraulics.*
B.S.E., North Carolina State College, 1947; Graduate Work, Northwestern University, Summer, 1949.

MCGARITY, HUGH HARRIS, *Director of Music; Associate Professor of Music.*
B.F.A., University of Georgia, 1940; M.F.A., University of Georgia, 1946; Graduate Work, University of Southern California, Summer, 1947.

MCGEE, CHARLES M., JR., *Assistant Professor of English.*
A.B., Furman University, 1934; A.M., Duke University, 1941; Graduate Work, Duke University, 1946.

MCHUGH, CARL MANNING, *Assistant Professor of Drawing.*
B.S., Clemson Agricultural College, 1936; Graduate Work, Virginia Polytechnic Institute, Summer, 1948.

MCFADDEN, JAMES BANKS, *Assistant Coach.*
B.S., Clemson Agricultural College, 1940.

MCGINTY, RUPERT ALONZO, *Vice-Director of Agricultural Experiment Station.*
B.S., Alabama Polytechnic Institute, 1913; A.M., Washington University, 1919; Graduate Work, Cornell University, 1926-1927.

MCKENNA, ARTHUR ERNEST, *Head of Weaving and Designing Department; Professor of Weaving and Designing.*
Graduate Rhode Island School of Design, 1922; Bradford-Durfee Textile School, 1925; B.S., Clemson Agricultural College, 1930; M.S., University of Tennessee, 1938.

MCMILLAN, COVINGTON, *Assistant Coach.*
B.S., Clemson Agricultural College, 1930; M.A., George Peabody College, 1935.

MCMILLIN, HARRY ANDREW, *Assistant Professor of Architecture.*
B.S., Pennsylvania State College, 1948.

MACAULAY, HUGH HOLLEMAN, JR., *Instructor in Economics.*
B.S., 1947, M.S., 1948, University of Alabama.

MACINTOSH, FRED HENRY, *Associate Professor of English.*
A.B., University of South Carolina, 1936; M.A., Duke University, 1942; Graduate Work, Duke University, 1946, 1947-1948.

MARSHALL, JOHN LOGAN, *Head of Wood Shop Department; Associate Professor of Wood Work.*
B.S., Clemson Agricultural College, 1909; Graduate Work, Bradley Polytechnic Institute, 1919.

MARTIN, JOHN CAMPBELL, *Instructor in Electrical Engineering.*
B.E.E., Clemson Agricultural College, 1948.

MARTIN, SAMUEL MANER, *Professor Emeritus of Mathematics; Head of Mathematics Department, Emeritus.*
B.S., The Citadel, 1896; Graduate Work, Cornell University, Summer, 1900; Harvard University, Summer 1904; University of Chicago, Summer 1908.

MARVIN, JOHN HENRY, JR., *Instructor in Yarn Manufacturing.*
B.S., Clemson Agricultural College, 1941.

MATHEWS, ANDREW CLARK, *Associate Professor of Botany.*
A.B., 1928, M.A., 1931; Ph.D., 1939, University of North Carolina.

MAULDIN, WILLIAM LAWRENCE, *Assistant Professor of Chemistry.*
B.S., Furman University, 1936; M.A., University of North Carolina, 1939; Graduate Work, University of North Carolina, 1939-1940.

MEEKS, CHARLES DAVENPORT, *Instructor in Forge and Foundry.*
B.M.E., Clemson Agricultural College, 1942.

METZ, GUSTAVE ERNEST, *Registrar.*
B.S., Clemson Agricultural College, 1927; M.A., University of North Carolina, 1928; Graduate Work, University of North Carolina, 1928-1929; Ohio State University, Summer 1930; Teachers College, Columbia University, 1931-1932; University of Chicago, Summer 1939.

*MILLER, WILLIAM GILBERT, *Associate Professor of Mathematics.*
A.B., Birmingham Southern College, 1931; M.A., University of Florida, 1933; Graduate Work, University of Florida, Summers, 1933, 1949-1950.

MITCHELL, JACK HARRIS, *Professor of Chemistry.*
B.S., 1903, M.S., 1904, Alabama Polytechnic Institute; M.S., University of Illinois, 1911.

MONROE, JAMES BEASLEY, *Head of Vocational Agricultural Education Department; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1915; M.S., Texas A. & M. College, 1935; Graduate Work, Cornell University, Summer 1938.

MOORMAN, ROBERT WARDLAW, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1940; M.S., State University of Iowa, 1947.

MORGAN, CHARLES LEE, *Head of Poultry Husbandry Department; Professor of Poultry Husbandry.*
B.S., 1918, M.S., 1927, University of Kentucky; Graduate Work, University of Wisconsin, 1931-1932.

MOSS, ALEX ANDREW, *Instructor in Civil Engineering.*
B.C.E., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1949-1950.

MUSSER, ALBERT MYERS, *Head of Horticulture Department; Professor of Horticulture.*
B.S., University of Florida, 1918; Graduate Work, Michigan State College, 1930, 1933.

MYERS, THORNTON KISE, *Assistant Professor of Air Science and Tactics.*
Major, United States Air Force; B.S., Purdue University, 1935; Graduate: Air Force Primary, Basic and Advanced Flying Schools, 1937; Air ROTC Instructors Indoctrination Course, Air University, 1948.

NAUCK, DONALD ADAMS, *Assistant Professor of Military Science and Tactics.*
Captain, Signal Corps, United States Army; B.S.E.E., Montana State College, 1934; Graduate: The Signal Corps School, 1941, Army Air Force School of Applied Tactics, 1943.

*On leave.

NIX, RICHARD EUGENE, *Instructor in Drawing.*
B.E.E., Clemson Agricultural College, 1949.

NORMAN, ABSALOM WILLIS, *Assistant Coach.*
A.B., Roanoke College, 1913.

NOWACK, ROBERT FRANCIS, *Instructor in Mathematics.*
B.S., Carnegie Institute of Technology, 1948; Graduate Work, University of Pittsburgh, Summer, 1949.

NUTT, GEORGE BASS, *Head of Agricultural Engineering Department; Professor of Agricultural Engineering.*
B.S., Mississippi State College, 1930; M.S., Iowa State College, 1940.

*O'DELL, WAYNE TALMAGE, *Assistant Professor of Dairying.*
B.S., Clemson Agricultural College, 1948; Graduate Work, Clemson Agricultural College, 1949-1950.

OWINGS, MARVIN ALPHEUS, *Associate Professor of English.*
A.B., Wofford College, 1931; M.A., 1932, Ph.D., 1941, Vanderbilt University.

PARK, EUGENE, *Assistant Professor of Mathematics.*
A.B., University of Georgia, 1939; M.A., Lehigh University, 1941; Graduate Work, University of Wisconsin, 1947-1948.

PERRY, ROBERT LINDSAY, *Instructor in Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1947.

PETERSON, WEBER HJALMAR, *Professor of Agricultural Economics.*
B.S., 1936, M.S., 1938, Montana State College; Ph.D., University of Minnesota, 1947.

PETROFF, GILMER, *Assistant Professor of Architecture.*
Yale School of Fine Arts, 1932-1933; Summer 1933; University of Wisconsin, Summer 1932; Europe, 1931, Mexico, Winter, 1934.

*POE, HERBERT VERNON, *Assistant Professor of Electrical Engineering.*
B.S. in E. E., North Carolina State College, 1944; Graduate Work, Texas A. & M. College, 1949-1950.

POLK, HENRY TASKER, *Associate Professor of Chemistry.*
B.S., 1931, M.S., 1933, University of Kentucky; Ph.D., Cornell University, 1938.

POLLARD, FRANK H., *Professor of Chemistry.*
B.Chem., 1916, Ph.D., 1922, Cornell University.

POTTER, LARRY, HOLMES, *Instructor in Mathematics.*
A.B.E., 1943, M.A., 1949, University of Florida.

POWELL, WOODROW WILSON, *Assistant Professor of English.*
B.S., Georgia Teachers' College, 1937; A.M., Duke University, 1941; Graduate Work, University of North Carolina, 1941-1942; Duke University, 1946-1947, 1948-1949.

PURSER, D. I., *Assistant Professor of English.*
B.A., Furman University, 1937; M.A., Duke University, 1942.

PUTNAM, SAMUEL RUFUS, *Assistant Professor of Architecture.*
B.S., 1948; B.Arch, 1949, Clemson Agricultural College.

RAINEY, WILLIAM THOMAS, JR., *Assistant Professor of Textile Chemistry and Dyeing.*
B.S., Davidson College, 1939; Ph.D., University of North Carolina, 1949.

REAVES, HARRY LEE, *Instructor in Physics.*
A.B., 1949, M.S., 1949, West Virginia University; Graduate Work, Clemson Agricultural College, 1950.

REED, ALBERT RAYMOND, *Associate Professor of Physics.*
A.B., Wofford College, 1925; M.S., University of South Carolina, 1931; Graduate Work, University of North Carolina, Summers 1931, 1933.

REED, CHARLES ALBERT, *Associate Professor of Physics.*
A.B., 1926, M.S., 1929, Ph.D., 1948, University of Oklahoma.

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*On leave.

RHODES, SAM ROSEBOROUGH, *Head of Electrical Engineering Department; Professor of Electrical Engineering.*
B.L., 1900, M.S., 1901, Furman University; B.S., 1907, E.E., 1928, Clemson Agricultural College.

RHYNE, ORESTES PEARL, *Head of Modern Language Department; Professor of Modern Languages.*
A.B., Lenoir-Rhyne College, 1907; A.B., 1908, A.M., 1909, University of North Carolina; Ph.D., Johns Hopkins University, 1913; University of Heidelberg, Summer 1914; Resident in Leipzig, 1922.

*RICHARDSON, DRAYTFORD, *Assistant Professor of Animal Husbandry.*
B.S., Clemson Agricultural College, 1938; Graduate Work, Iowa State College, 1949-1950.

RICHARDSON, JOE BYRON, *Associate Professor of Agricultural Engineering.*
B.S., Mississipi State College, 1937; M.S., Iowa State College, 1938.

RICHARDSON, JOEL L., *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1942.

*RITCHIE, ROBERT RUSSELL, *Professor of Animal Husbandry.*
B.S., 1926, M.S., 1938, Iowa State College.

ROBINSON, DAVID HUNTER, *Assistant Professor of Mechanics and Hydraulics.*
B.C.E., Clemson Agricultural College, 1941.

ROBINSON, GILBERT CHASE, *Head of Ceramic Engineering Department; Associate Professor of Ceramic Engineering.*
B. Cer. E., North Carolina State College, 1940.

ROGERS, ERNEST BRASINGTON, *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1948.

ROSENKRANS, DUANE BENJAMIN, *Professor of Botany.*
A.B., Upper Iowa University, 1911; M.A., University of Wisconsin, 1917.

ROSTRON, JOSEPH PRUGH, *Assistant Professor of Civil Engineering.*
A.A., Pasadena Junior College, 1935; B.S. in C.E., Southern Methodist University, 1941.

RUSH, JOHN MILLARD, *Associate Professor of Bacteriology.*
A.B., Indiana University, 1928; M.S., Illinois University, 1935; Ph.D., Purdue University, 1947.

RUTLEDGE, RAY WATSON, *Associate Professor of Botany.*
B.S., Union University, 1923; M.A., George Peabody College, 1924; Ph.D., University of Chicago, 1930.

SALLEY, JAMES RAWORTH, JR., *Instructor in Chemistry.*
B.S., College of Charleston, 1937; Graduate Work, Clemson Agricultural College, 1949-1950.

SAMS, JAMES HAGOOD, JR., *Vice-Dean, School of Engineering; Professor of Mechanical Engineering.*
B.S., Clemson Agricultural College, 1924; E.E., Cornell University, 1926; M.S., 1931, Ph.D., 1937, University of Michigan.

SCHIRMER, FRANK BONNELL, JR., *Professor of Chemistry.*
B.S., Clemson Agricultural College, 1934; Ph.D., Cornell University, 1939.

SEFICK, HAROLD JOHN, *Associate Professor of Horticulture.*
B.S., 1935, M.S., 1937, Rutgers University; Graduate Work, Michigan State College, 1941-1942, Fall, 1948.

*SENN, TAZE LEONARD, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1939; Graduate Work, University of Tennessee, 1941-1942, University of Maryland, 1949-1950.

SHACKELFORD, MACFARLAND, *Assistant Professor of Physics.*
B.S., Virginia Polytechnic Institute, 1920.

SHELDON, DAWSON C., *Head of Mathematics Department; Professor of Mathematics.*
B.S., State College of Washington, 1925; M.A., 1927, Ph.D., 1929, University of California.

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*On leave.

SHELLEY, ROBERT CLIFTON, *Associate Professor of Agronomy.*
B.S., Clemson Agricultural College, 1940.

SHEPARD, WAYNE WIESMAN, *Assistant Professor of Architecture.*
B.F.A., University of Washington, 1932; M.A., Claremont College, 1942.

SHIGLEY, JOSEPH EDWARD, *Head of Drawing and Designing Department; Professor of Drawing and Designing.*
B.S. in E.E., 1931, B.S. in M.E., 1932, Purdue University; M.S., University of Michigan, 1946.

SMITH, RUSSELL BATCH, *Assistant Professor of Military Science and Tactics.*
Lieutenant Colonel, Infantry, United States Army; B.S., United States Military Academy, 1935; Graduate: The Infantry School, Regular Course, 1940; The Command and General Staff School, 1945.

SMITH, WILLIAM ELMER, *Assistant Professor of Military Science and Tactics.*
Captain, Infantry, United States Army; B.S., Clemson Agricultural College, 1941; Graduate: Officers Advanced Course, The Infantry School, 1946-47.

SNELL, ABSALOM WEST, *Assistant Professor of Agricultural Engineering.*
B.S., Clemson Agricultural College, 1949.

SPROULE, WILLIAM, *Instructor in Textiles.*
B.S., Philadelphia Textile Institute, 1939.

STANLEY, EDWARD L., *Assistant Professor of Mathematics.*
B.S., East Tennessee State College, 1930; M.S., University of Tennessee, 1935; Graduate Work, George Peabody College, Summer 1938; University of Missouri, Summers 1940, 1941, Spring 1941; Michigan State College, Summer, 1949.

STARKEY, LAWRENCE VINCENT, *Head of Animal Husbandry Department; Professor of Animal Husbandry.*
B.S., University of Illinois, 1914; M.S., University of Wisconsin, 1917; Graduate Work, University of Wisconsin, 1930.

STENSTROM, EDWARD FARNUM, *Assistant Professor of Industrial Engineering.*
B.S., Clemson Agricultural College, 1943.

STEPP, JAMES MARVIN, *Professor of Agricultural Economics.*
A.B., Berea College, 1937; M.A., 1938, Ph.D., 1940, University of Virginia.

ST. HUBERT, ROBERT LAMONTAGNE, *Visiting Professor of Architecture.*
Ecole des Beaux Arts, Paris; University of Paris.

STRIBLING, BRUCE HODGSON, *Associate Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1918; M.S., Ohio State University, 1945.

STUART, CHARLES MORGAN, *Assistant Professor of Mathematics.*
A.B., Wofford College, 1920; M.A., Duke University, 1935; Graduate Work, University of South Carolina, 1938, 1945.

SUDDETH, JIMMIE ALAN, *Instructor in Physics.*
B.S., Clemson Agricultural College, 1948.

SULLIVAN, JOHN RUSSELL, *Instructor in Mathematics.*
A.B., 1939, M.A., 1949, Georgetown University.

SUTTON, JAMES FRANKLIN, *Assistant Professor of Mechanical Engineering.*
B.M.E., Clemson Agricultural College, 1944; M.S. in M.E., University of Michigan, 1948; Graduate Work, University of Michigan, 1948-1949.

TARRANT, WILLIAM EDWARD, SR., *Associate Professor of Weaving.*
B.S., Clemson Agricultural College, 1927; M.Ed., Pennsylvania State College, 1947.

TAYLOR, BRUCE ELLIOTT, *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1949.

TAYLOR, RUPERT, *Professor of English.*
A.B., 1902, A.M., 1906, University of Arkansas; Ph.D., Columbia University, 1911.

TAYLOR, ZACHARY, JR., *Instructor in Economics.*
A.B., University of North Carolina, 1945; Graduate Work, University of Alabama, 1946-1948.

THODE, FREDERICK WILBUR, *Assistant Professor of Horticulture.*
B.S., Clemson Agricultural College, 1940; Graduate Work, Cornell University, Summer, 1949.

THOMAS, JAMES RITTER, *Assistant Professor of Dairying.*
B.S., Clemson Agricultural College, 1947.

THOMSON, DANIEL PARK, JR., *Assistant Professor of Carding and Spinning.*
B.S., Clemson Agricultural College, 1927; Graduate Work, Furman University, Summer, 1936; Clemsin Agricultural College, Summer 1938; George Peabody College, Summer 1938.

TINGLEY, FREEMAN THAYER, *Professor of Electrical Engineering.*
B.S., 1922, E.E., 1935, Bucknell University; M.S., University of Illinois, 1929.

*TREVILLIAN, WALLACE DABNEY, *Assistant Professor of Economics.*
B.S., 1940, M.A., 1947, University of Virginia; Graduate Work, University of California, 1949-1950.

TRIVELY, ILO ALLELY, *Associate Professor of Civil Engineering.*
B.S. in C.E., 1928, M.S. in C.E., 1941, University of Nebraska.

*TUTTLE, JACK EDWIN, *Instructor in History and Government.*
B.A., 1940, M.A., 1948, Pennsylvania State College; Graduate Work, University of South Carolina, 1949-1950.

TYNER, RAYMOND ELLIS, *Instructor in English.*
A.B., Berry College, 1945; M.A., University of Georgia, 1948; Graduate Work, University of North Carolina, Summer, 1949.

VAN BLARICOM, LESTER OSCAR, *Associate Food Technologist.*
B.S., 1938, M.S., 1940, Oregon State College.

VAN ESELTINE, WILLIAM PARKER, *Associate Professor of Bacteriology.*
A.B., Oberlin College, 1944; M.S., 1947; Ph.D., 1949, Cornell University.

*VAUSE, ROBERT ZENO, JR., *Instructor in Mathematics.*
B.S., University of South Carolina, 1943; M.A., Duke University, 1947; Graduate Work, George Washington University, Summer, 1948; University of North Carolina, 1949-1950.

WADE, BAILEY THOMAS, *Instructor in Mathematics.*
A.B., Franklin College, 1948; M.S., Kent State University, 1949.

WAITE, E. EMERSON, JR., *Associate Professor of Sociology and Psychology.*
B.S., Middlebury College, 1929; M.A., Duke University, 1940.

WALTERS, JOHN VERNON, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1933; Graduate Works, Pennsylvania State College, Summers 1940, 1941; Clemson Agricultural College, Summer 1938, 1949-1950.

WARE, ROBERT EDWARD, *Associate Professor of Zoology and Entomology.*
B.S., Iowa Wesleyan College, 1929; Graduate Work, Iowa State College, Summers, 1931, 1932, 1938, 1940.

WARNHOFF, EDWARD HERMAN, JR., *Associate Professor of Entomology.*
B.S., Clemson Agricultural College, 1946; M.S., Texas A.&M. College, 1947.

WASHINGTON, WILLIAM HAROLD, *Dean, School of Education; Professor of Vocational Education.*
B.S., Clemson Agricultural College, 1920; M.S., Iowa State College, 1922; Graduate Work, Georgia School of Technology, Summer 1925; George Peabody College, Summers 1928, 1929; 1932-1938.

WATSON, CHARLIE HUGH, *Assistant Professor of English.*
A.B., Wofford College, 1933; A.M., Duke University, 1945.

WATSON, ERNEST CHISOLM, *Assistant Professor of Military Science and Tactics.*
Lieutenant Colonel, Infantry, United States Army; B.S., Clemson Agricultural College, 1926; Graduate: The Armored School Advanced Tactics, 1942; Aerial Observers School, 1943; The Command and General Staff College, 1947.

*On leave.

WATSON, SAMUEL MCIVER, JR., *Associate Professor of Mechanical Engineering.*
A.B., Elon College, 1936; B.S., 1937, M.S., 1942, North Carolina State College.

*WEBB, WILLIAM EDWARD, *Instructor in History and Government.*
A.B., Hampden Sydney College, 1943; M.A., Duke University, 1947; Graduate Work, University of Virginia, 1949-1950.

WHEELER, RICHARD FERMAN, *Assistant Professor of Animal Husbandry.*
B.S., Clemson Agricultural College, 1947; M.A., Mississippi State College, 1949.

WHITE, THOMAS ARLINGTON, *Professor of Vocational Education.*
B.S., 1924, M.S., 1929, North Carolina State College; Ph.D., Cornell University, 1933.

WHITLAW, NATHANIEL OLMSTEAD, *Assistant Professor of Military Science and Tactics.*
Lieutenant Colonel, Cavalry, United States Army; B.S., Clemson Agricultural College, 1932; Graduate: Armored School: Tank Course, 1941, Advanced Tactics Course, 1942, Officers' Instructors Course, 1945.

WHITNEY, JOHN BARRY, JR., *Associate Professor of Botany.*
B.S., University of Georgia, 1935; M.S., North Carolina State College, 1938; Ph.D., Ohio State University, 1941.

*WHITTEN, WILLIAM CLYDE, JR., *Instructor in Textiles.*
B.S., Clemson Agricultural College, 1947; Graduate Work, Georgia Institute of Technology, 1949-1950.

WILKINS, RICHARD IRWIN, *Instructor in Architecture.*
B.S., Clemson Agricultural College, 1950.

WILLIAMS, JOHN FREDERICK, *Instructor in Chemistry.*
B.S., University of South Carolina, 1944; Graduate Work, Clemson Agricultural College, 1949, Summer, 1949, 1949-1950.

WILLIAMS, JACK KENNY, *Assistant Professor of History and Government.*
A.B., Emory and Henry College, 1940; M.A., Emory University, 1947; Graduate Work, University of Kentucky, Summer, 1948; University of Virginia, Summer, 1949.

WILLIAMS, WILLIAM BRATTON, *Assistant Professor of Weaving and Designing.*
B.S., 1925, M.S., 1950, Clemson Agricultural College.

WILSON, HAROLD BETTS, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1941.

WILSON, MILNER BRADLEY, JR., *Assistant Professor of English.*
A.B., Wofford College, 1924; A.M., Columbia University, 1936.

WILSON, WILBUR ALBERT, *Instructor in Mathematics.*
B.S.E., 1948, M.S., 1949, University of Arkansas.

WINTER, JAMES PAUL, *Assistant Professor of English.*
A.B., Marshall College, 1930; M.A., Columbia University, 1932; Graduate Work, Columbia University, 1932-1933, Summers 1939, 1940; New York University, Summers 1936, 1938; Tulane University, Summer 1935.

WOOD, KENNETH L., *Assistant Professor of Physics.*
B.S., Carson Newman College, 1932; M.S., University of Tennessee, 1934; Graduate Work, Duke University, Summer 1940.

WOOD, ROY, *Assistant Professor of Economics.*
B.A., 1943, M.A., 1948, University of Virginia; Graduate Work, University of Virginia, 1947-1948.

WOOD, WILLIAM ANDREW, *Instructor in Physics.*
B.S., Clemson Agricultural College, 1949; Graduate Work, Clemson Agricultural College, 1949-1950.

WRAY, CHARLES VICTOR, *Assistant Professor of Textiles.*
B.S., Clemson Agricultural College, 1940.

*On leave.

INSTRUCTIONAL ASSISTANTS*

Aronson, Arthur Aaron, A.B., *Chemistry*

Bruner, George Evans, III, B.S., *Chemistry*

Grant, Walter Ervin, A.B., *Chemistry*

Hardin, Edwin Garrett, B.S., *Chemistry*

Slone, Allen Ridley, B.S., *Chemistry*

Thompson, Dewey Tillman ,B.S., *Chemistry*

Pettit, Sam Layton, *Civil Engineering*

Taylor, Roy Preston, Jr., *Civil Engineering*

Elrod, Alvon Creighton, B.M.E., *Mechanical Engineering*

Elrod, William Corbin, B.M.E., *Mechanical Engineering*

Dobbins, John Paul, B.S., *Physics*

Robinson, Leon Haynsworth, Jr., B.S., *Physics*

Robinson, Samuel Willis, Jr., B.S., *Physics*

Sapp, Eli Franklin, Jr., *Physics*

Cauble, Ray Newman, A.B., *Physics*

Kincaid, William Leo, A.B., *Physics*

Hawkins, John Walter, B.S., *Textile Chemistry and Dyeing*

Jenkins, Richard Frederick, B.S., *Textile Chemistry and Dyeing*

Lipton, Morey, B.S., *Zoology and Entomology*

*List of Instructional Assistants compiled February 15, 1950.

STANDING COMMITTEES OF THE FACULTY 1949 – 1950

ADMISSIONS:
Vickery, *Chairman;* Cook, J. C., Garrison, Gentry, Hobson, Langston, Stanley.

ATHLETICS:
Milford, *Chairman;* Gage, Mitchell, J. H., Morgan, T. W., Rhodes, Frank Howard, Coach, *ex officio;* J. C. Littlejohn, Business Manager, *ex officio;* G. E. Metz, Registrar, *ex officio.*

BUILDINGS AND GROUNDS:
Watson, D. J., *Chairman;* Gates, Glenn, H. E., Hill, H. H., McGinty, Musser, Nutt, Rhodes, Sams, Webb, H. J.

CALENDAR:
Osborne, *Chairman;* Crouch, Donelon, Gribbin, Hardin, Hill, H. H., Holtzendorff, Metz, Morgan, T. W., Miss Shanklin, Simons, Spangenberg, Woodward, The Commandant, Editor of the Tiger, President of the Senior Class, President of Tiger Brotherhood, President of Blue Key, President of Central Dance Association.

CATALOG:
Vickery, *Chairman;* Brown, A. J., Bradbury, Kinard, Simons.

CONCERT SERIES:
Metz, *Chairman;* Burtner, Cook, J. C., Hill, G. H., McGarity, Morgan, C. L., Osborne, Miss Shanklin, Watson, D. J., President of Mu Beta Psi, President of the Senior Class, Editor of The Tiger.

CURRICULA:
Earle, *Chairman;* Bradley, Brown, H. M., Cooper, H. P., Hunter, H. L., Kinard, Metz, Sheldon, Washington.

DEFICIENT STUDENTS:
Kinard, *Chairman;* Cook, J. R., Gentry, Hobson, LaGrone, McKenna, Stanley, Tingley, Watson, C. H.

ETHICS AND RELIGION:
Crouch, *Chairman;* Donelon, Gribbin, Hardin, Holtzendorff.

EVALUATION OF TRANSFER CREDITS:
Owings, *Chairman;* Gage, *Vice-Chairman;* Vickery, *Secretary;* Berne-Allen, Epting, Felder, Hallmark, Huff, Jones, J. W., Lindsay, J., Morgan, C. L., Nutt, Petroff, Polk, Rosenkrans, Sheldon, Stribling, B. H., Trively, Watson, S. M.

FOOD AND NUTRITION:
LaMaster, *Chairman,* Lease, Littlejohn, J. C., Milford, Morgan, C. L. Musser, Nutt, Patrick, Starkey, Van Blaricom, Mess Officer, *ex officio.*

GRADUATE WORK:
Webb, H. J., *Chairman;* Arndt, Aull, Brown, H. M., Carodemos, Collings, Cook, J. M., Freeman, Glenn, H. E., Green, J. C., Huff, Hunter, H. L., King, Sams, Schirmer, Taylor, R., White.

LIBRARY:
Bradley, *Chairman;* Aull, Berne-Allen, Bolen, Bryan, Carodemos, Collings, Earle, Lindsay, J., Rosenkrans, Stanley, Taylor, R., Watkins, Whitney, Miss Graham, Librarian, *ex officio.*

LOANS:
Littlejohn, J. C., *Chairman;* Brown, A. J., Hill, G. H., Howard, Vickery, Woodward.

PUBLIC LECTURES:
Bolen, *Chairman;* Bradley, Cloaninger, Freeman, Green, J. C., Goodale, Langston, Lindsey, T. J., Stribling, B. H.

PUBLICATIONS AND RADIO:
McGINTY, *Chairman;* Califf, Eleazer, Lane, Osborne, Seabrook, Simons, Stribling, S. C., Vickery.
(J. D. Lane, Faculty Adviser for student publications.)

RECREATION:
Webb, H. J., *Chairman;* Cannon, Epting, Gage, Glenn, H. E., Godbey, Hill, G. H., Kirkley, Miller, Musser, Nutt, Patrick, Roark, Watson, D. J.

KRESS RESEARCH:
McGinty, *Chairman;* Carodemos, Lease, Lindsay, J., Sheldon, Stepp, Tingley, White, Miss Graham, Librarian, *ex officio;* J. C. Littlejohn, Business Manager, *ex officio.*

RESEARCH, PLANNING AND DEVELOPMENT:
Brown, H. M., *Chairman;* Arndt, Carodemos, Heyn, LaMaster, Musser, Nutt, Peterson, Robinson, G. C., Sams, Watson, D. J.

SCHEDULE:
LaGrone, *Chairman;* Brock, J. L., Brownley, Epting, Gage, Huff, Jones, J. W., McGee, Morgan, C. L., Smith, W. E., Tingley, Vickery.

SCHOLARSHIP AWARDS:
Metz, *Chairman;* Brown, A. J., Gage, Kinard, Rutledge, Shigley, White.

SCHOLARSHIP AND HONORS:
Sheldon, *Chairman;* Carodemos, Curtis, Gentry, Hallmark, King, Lindsay, J., McGinty, McIntosh, McKenna, Monroe, Schirmer.

SOCIAL FUNCTIONS:
Edwards, G. H., *Chairman;* Bowen, Brewster, Coakley, Cox, W. T., Curtis, Dinwiddie, Goodale, Green, J. C., Harley, Hill, G. H., Holtzendorff, Paden, Purser, D. I., Tingley, Tuttle, Williams, J. K., Williams, W. B., Wilson, H. B., The Commandant.

STUDENT GOVERNMENT:
Goodale, *Chairman;* Armstrong, Lane, Marshall, Metz, Owings, The Commandant.

STUDENT ORGANIZATIONS (Including Honor Societies):
Schirmer, *Chairman;* Brock, Cloaninger, Collings, Freeman, Goodale, Marshall, Sheldon, Vickery.

STUDENT WELFARE:
Lane, *Chairman;* Aull, Bell, Blair, Coker, Cook, J. C., Hill, G. H., Hunter, H. L., Jones, R. M., LaMaster, Mauldin, Metz, Sams, Washington.

UNIFORMS:
Littlejohn, J. C., *Chairman;* Brown, A. J., Cannon, Hill, G. H., Lathem, The Commandant, Senior ROTC Quartermaster Instructor, Douthit, Trustee Member.

VISITORS:
Woodward, *Chairman;* Califf, Goodale, Hill, G. H., Hill, H. H., Holtzendorff, Sams, Miss Shanklin, Simons, Watson, D. J., The Commandant.

Y. M. C. A.:
Martin, *Chairman;* R. F. Poole, President, *ex officio;* Aull, Cloaninger, Earle, Goodale, Green, J. C., Hunter, J. E. Kinard, Littlejohn, J. C., McGinty, Douthit, J. B., Trustee Member; Young, T. B., Trustee Member; Folger, T. A., Alumni Member; Henry, J. A., Alumni Member; _____, President Y. M. C. A., *ex officio;* Holtzendorff, P. B., Jr., General Secretary Y. M. C. A., *ex officio.*

*OTHER OFFICERS AND ASSISTANTS

JACOB HENRY WOODWARD ---------- *Assistant to the President*
VIRGINIA EARLE SHANKLIN, A.B. ---------- *Secretary to the President*
KENNETH NOTLEY VICKERY, B.S. ---------- *Director of Admissions*
REGINALD JUSTIN BERRY, B.S. ---------- *IBM Consultant and Supervisor*
HELEN COKER, A.B. ---------- *Recorder*
EARLE BAKER SCOTT, B.S. ---------- *Assistant to the Registrar*
NETTIE C. WOODLE ---------- *Transcript Clerk*
JOHN GOODMAN, B.S., A.B. in L.S. ---------- *Assistant Librarian*
JAMES MITCHELL REAMES, B.A., B.S. in L.S. ---------- *Reference Librarian*
MARGY ALBERTA HARTKOPF, *A.B.* ---------- *Acquisition Librarian*
SARAH SHIRLEY LANDER, A.B., B.S. in L.S. ---- *Gov't. Document Librarian*
ANGELINA HALL WAY, A.B., B.S. in L.S. ---------- *Circulation Librarian*
MARY *C.* STEVENSON, *A.B.* ---------- *Cataloger*
SIDELLE ELLIS, B.S. ---------- *Bibliographer and Special Aid to Students*
FAYE MITCHELL, A.B. ---------- *Assistant to Circulation Librarian*
EDWARD L. B. OSBORNE, B.S. ---------- *Director, News Bureau*
GRAHAM HAMILTON HILL ---------- *Assistant Business Manager*
VIRGINIA POOLE, A.B. ---------- *Assistant to the Business Manager*
KENNEY R. HELTON ---------- *Internal Auditor, Business Manager's Office*
HENRY HUGHES HILL, JR., B.S. ---------- *Manager, Housing Project*
TRESCOTT NEWTON HINTON, B.A. ---------- *Assistant Bookkeeper*
JOSEPH SHELOR WALKER, B.S. ---------- *Assistant Bookkeeper*
HELEN MORRISON ---------- *Assistant to the Treasurer*
RUSSELL B. SMITH, Lt. Col., U. S. Army ---------- *Adjutant*
HENRY W. RIMMER, Master Sergeant, U. S. Army ---------- *Sergeant Major*
JAMES L. ZORENS, Master Sergeant, U. S. Army ---------- *Disciplinary Sergeant*
IRENE JULIAN, R.N. ---------- *Director of Nurses*
MYRTLE DEAN ---------- *X-Ray and Laboratory Technician*
GLADYS MITCHELL, R.N. ---------- *Clinical Supervisor*
LOIS WRIGHT, R.N. ---------- *Bedside Supervisor*
DAVID JOSEPH WATSON, B.S. ---------- *Supt. of Buildings and Grounds*
WILLIAM ERNEST MCGUIRE ---------- *Asst. Supt. of Buildings and Grounds*
JAMES G. LINDSAY ---------- *Mess Officer*
FRED LEONARD ZINK, JR. ---------- *Assistant Mess Officer*
MARGARET C. COCHRAN, B.S. ---------- Dietitian
ALDRICH A. ATKINSON, B.S. ---------- *Assistant to Mess Officer*
PRESTON BROOKS HOLTZENDORFF, JR., LL.B. ---- *General Secretary, Y.M.C.A.*
JOHN ROY COOPER, B.S., M.A. ---------- *Associate Secretary, Y.M.C.A.*
ROBERT EMMET GRIBBIN, JR., B.A., S.T.B. ---------- *Rector, Episcopal Church*
SYDNEY J. L. CROUCH, B.D. Th.D. ---------- *Pastor, Presbyterian Church*
ELLIOTT WANNAMAKER HARDIN, A.B., B.D. ---------- *Pastor, Methodist Church*
JOHN M. DONELON, B.A. ---------- *Pastor, St. Andrews Catholic Church*
JAMES L. SPANGENBERG, A.B., B.D. ---------- *Minister to Baptist Students*

*List of other officers and assistants compiled October 1, 1948.

THE CLEMSON AGRICULTURAL COLLEGE RECORD

PART II

Information

PART II—INFORMATION

GENERAL INFORMATION

Clemson is a land-grant college, a state institution, and one of the A. and M. colleges which emphasizes agriculture and mechanical industries. Clemson is fully accredited by the Southern Association of Colleges and Secondary Schools.

The twenty-eight curricula under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles form a background of training for the hundreds of occupations in which Clemson graduates engage. In addition to the training for a specific occupation, each curriculum is broadened to include fundamental training in the occupational area as well as the worthwhile values of general education. Although the College is organized on the university plan of various schools, it retains its entity through the inter-relationships of schools and departments in providing a well-balanced educational program.

The enrollment of Clemson has grown from 446 students in the opening of the college in 1893 to a pre-war peak of 2,381 and a current enrollment of 3,360 for the first semester, 1949-1950. During this period 27,920 students have attended Clemson and of this number 8,560 have been awarded the bachelors degree.

REQUIREMENTS FOR ADMISSION

Entrance Requirements. The requirements for entrance to Clemson include graduation from an accredited high school with at least sixteen units; of the units presented for admission, at least three must be in English, one and one-half in algebra, one in plane geometry, and one in history.

Students who cannot fulfill the requirements outlined above may be considered for admission as follows:

(1) Applicants who have qualified for a South Carolina High School Certificate by examination are given very careful consideration. The final decision is dependent upon the quantity and

quality of such work as has been completed in high school as well as upon the fact that the applicant has qualified for the certificate.

(2) Mature students who cannot meet the formal requirements indicated above but who have an adequate educational background for scholastic work in college may qualify for admission by passing the entrance examinations. Further information will be furnished on request.

Application Blanks. Blanks to be used in applying for admission may be obtained from the Registrar, Clemson College, Clemson, South Carolina.

Placement Tests. Placement tests, required of all students, are given within a day or two after matriculation. The placement tests consist of examinations on basic information in mathematics and English. The purpose in giving the tests is to determine which students are in need of review courses in mathematics and English before attempting college courses in these important subjects. It is in the interest of the student that he is required to take such a review course if he does not make a qualifying score on the placement test. Such students may begin taking their other freshman subjects, but will postpone freshman mathematics, English, or both, until after they complete satisfactorily the review course or courses required. All new students will be required to take the placement tests, but those who have previously completed college courses in mathematics and English will not be required to take the review courses in these subjects.

Admission to Advanced Standing. Work that has been completed in other colleges will be carefully considered and evaluated in terms of equivalent courses in the curriculum at Clemson selected by the student. The applicant must present for consideration: (a) a statement of honorable dismissal from the institution last attended, (b) an official transcript of his record, including entrance credits and (c) an official statement that he is eligible to return to the institution last attended. College credits given by transfer are provisional and may be cancelled at any time if the student's work is unsatisfactory. A student coming from another institution must spend at least one regular session in the College before he is eligible to apply for a degree.

Matriculation. Students upon arrival at the College at the opening of the session must report at once to the Registrar's Office. New students will be directed in the procedure necessary to complete their enrollment. A student's matriculation with the College is equivalent to his pledge to conform to the rules of the institution. Any admission gained or matriculation made irregularly is subject to cancellation.

EXPENSES

Settlement of College Fees. The Treasurer of the College is the fiscal officer and all transactions relating to payments must be conducted through him. The entrance payment includes the full cost of uniform plus fees and living expenses for the first quarter and must be made before a student can be assigned to a room in barracks or permitted to begin work. Other payments are due as indicated. Remittances should be made in cash, money order, cashier's check, or by local check made payable to A. J. Brown, Treasurer. All remittances made by mail must be addressed to: The Treasurer, Clemson College, Clemson, South Carolina. A personal check which is given in payment of dues and is returned by the bank unpaid automatically cancels a student's reservation and automatically drops from class rolls a student who is in school.

Expenses. The cost to South Carolina barracks students for board, laundry, room, all fees, and tuition will amount to $527.00 for the 1949-1950 session. Students from other states pay an additional $170.00. The State Law requires that all non-resident students pay the out-of-state tuition. The bona fide residence of the parent, or legal guardian, determines the residence of the student. The college reserves the right to adjust expenses to current costs.

In addition to the expenses indicated above, each freshman cadet will pay to the College Treasurer the cost of the uniform. For the 1949-1950 session the cost of the uniform was $116.20.

The 1949-1950 payments for regular cadets, including room, board, laundry, all fees, tuition, and uniform are indicated below.

Payments Due	South Carolina Students	Non-Resident Students
At entrance	*$247.95	*$290.45
November 9	131.75	174.25
February 2	131.75	174.25
March 30	131.75	174.25

* Includes $116.20 for freshman uniform.

The payments for room, board, and laundry, for qualified non-ROTC veterans staying in the barracks are given below:

Payments Due	Qualified Veterans in Barracks
At Entrance	$85.60
November 9	85.60
February 2	85.60
March 30	85.60

For veterans qualified for benefits under the G. I. Bill or Veteran's Vocational Rehabilitation, the Veterans Administration pays tuition fees and the costs of necessary books and supplies. The veteran pays his own living expenses but the subsistence checks to be received by the veteran will more than reimburse him for the cost of living in the barracks at Clemson.

Information concerning payments for Day Cadets will be furnished on request.

Books and Supplies. The cost of books is not included in the figures given above. Freshman books and supplies cost approximately $40.00 at the beginning of the regular session. For veterans, qualified for benefits under the G. I. Bill or Veterans Vocational Rehabilitation, books and educational supplies will be issued, the cost to be paid by the Veterans Administration.

Uniforms. Clemson cadets are wearing a distinctive gray uniform of a design and material similar to that worn in prewar days. The garments required are: 1 gray service coat, 2 gray service trousers, 2 service caps, 1 blue mackinaw, 1 web waist belt, 1 coat belt, 6 gray cotton shirts, and 1 raincoat. Insignia are purchased by the individual in addition to these major items.

After the first year, the cadets will be required to purchase only needed articles. Based on prior usage factors, the minimum requirements for each successive year will be $10.80.

In this connection, parents are advised that those students who are successful in entering ROTC receive a substantial amount from the United States government in the form of commutation of uniform; specifically, $25.00 each year for the Freshman and Sophomore years and $90.00 for the Junior and Senior years combined. These amounts may vary slightly from year to year.

Refunds. No refunds will be made on Tuition and Fees other than living expenses after five weeks attendance during the semester. Refunds for periods of attendance during the semester of less than five weeks will be based upon a charge of 20% for less than two weeks, 40% between two and three weeks, 60% between three and four weeks and 80% between four and five weeks.

Living expense items will be refunded on a prorata basis, holidays excepted, for periods unused in excess of two weeks.

Lost or Damaged Articles:

The College will not be liable for articles lost or stolen in the barracks.

The College will not be liable for lost or damaged laundry unless reported within two days after the date upon which the laundry was due to be delivered, and then not more than the actual depreciated value of such articles as have been lost or damaged.

Student Banking Accounts. For the convenience of students the College operates a banking department in the Treasurer's Office where money can be deposited and withdrawn as the occasion may demand. This service is purely local. Students are urged to deposit their money in the bank and not to keep it in their rooms.

Books and Supplies. Books and supplies may be purchased at the local book store.

Each student will be required to own his textbooks and necessary equipment. All students shall submit their textbooks and other equipment for inspection at such times as are ordered.

Optional Expenses. It is not possible to give an estimate of a student's expenditures for such amusements as dancing, moving pictures, etc. This depends largely upon the disposition of the young man. The College endeavors to reduce to a minimum the temptation to spend money needlessly, but the authorities cannot be responsible for a student's private expenditures. This must be a matter between him and his parents.

Transcripts. Official transcripts of scholastic records are issued on request. One transcript is furnished free; additional copies are issued for one dollar each. Remittances for transcripts should be made payable to The Treasurer, Clemson College, but should accompany transcript requests and should be mailed to The Registrar.

Student Aid. A number of young men secure positions as waiters in the mess hall, for which service they are paid at the rate of about fifteen dollars a month. These positions are filled by the Mess Officer, to whom all correspondence should be addressed.

FINANCIAL ASSISTANCE

The College is in need of funds to lend worthy students. Donations for this or other purposes may be made to the Board of Trustees of Clemson College, or to the Trustees of the Clemson Alumni Foundation. The President of the College or the Secretary of the boards named above will be glad to communicate with any person who is interested in establishing such a fund.

Sources of financial assistance at Clemson are listed below:

The William Wilson Finley Loan Fund. The sum of $1,000 has been deposited with the College to be used as a loan fund to students living in counties traversed by the Southern Railway or the Blue Ridge Railway.

The George Cherry Foundation. Mrs. Mary Cherry Doyle has donated $1,000 to aid worthy and needy students from Oconee County and that part of Anderson County including Pendleton. This fund is not available for first-year students.

Clemson Student Loan Association Fund. A number of interested teachers, officers, alumni, and friends of Clemson College have contributed $2,500 to be loaned to worthy Clemson students.

The Wade Stackhouse Loan Fund. A gift of $20,000 from Dr. Wade Stackhouse of Dillon, whose father, the late Hugh Milton Stackhouse, was a trustee of Clemson has been deposited with the College. The fund is designed to furnish assistance through loans to ambitious Clemson graduates who give promise of becoming leaders in research.

Daniel Memorial Loan Fund. Interest on $10,000 given by Daniel Construction Company as a memorial to the late James Fleming Daniel and Fred Adams Daniel, father and brother respectively, of the officers of the corporation.

The Alexander P. Anderson and the Lydia Anderson Fellowship. Mr. and Mrs. Anderson have given to the Clemson Agricultural College the sum of $12,500 for the purpose of establishing a fellowship fund. The income from this trust fund is to be used for the purpose of awarding a scholarship or fellowship to one or more Clemson graduates for advanced work in biological sciences including bacteriology and entomology. The scholarship is to be awarded annually by the faculty of the Clemson Agricultural College to an outstanding student. The name of the beneficiary is reported to the Board of Trustees, and an accounting of the funds by the Treasurer of the College is made annually.

The Sears Roebuck Agricultural Foundation has made funds available for freshman agricultural scholarships at Clemson for the past several years. There were twenty one-hundred-dollar Sears Roebuck Scholarships available for 1949-1950 for freshmen who took the agricultural course. The scholarships are awarded on the basis of a competitive examination. Further information concerning these awards may be secured from Dr. H. P. Cooper, Dean, School of Agriculture, Clemson College, Clemson, South Carolina.

Warwick Chemical Foundation in Memory of Manfred Caranci. The sum of $3,000 to be held as part of the general capital endowment funds and the income to be used from time to

time as the governing board shall from time to time designate, primarily for scholarships to encourage education and research in chemistry and to enable worthy students to pursue graduate studies in chemistry, and otherwise to promote chemical education.

Howard Carlisle Copeland Memorial Fund. The family of Howard Carlisle Copeland, who gave his life during the recent war, has set up a permanent memorial fund to be known as the Howard Carlisle Copeland Fund. Each year the interest from the fund shall be given to the boy who has made the greatest endeavor financially to stay in college. In 1948 this award was made to Purvis Hobson Bedenbaugh, Jr. of Leesville, South Carolina.

Ben and Kitty Gossett Scholarship Fund. A trust fund of $10,000 administered by the President of the College and Trustees of the Clemson College Foundation, the interest from which is available for scholarships. First consideration in awarding these scholarships is to be given to young men whose families are employed in the textile mills of South Carolina.

BUILDINGS AND GROUNDS

Buildings. Tillman Hall houses the offices of the President, the Registrar, the Commandant, the Treasurer, the Business Manager, the Professor of Military Science and Tactics, and the Dean of the School of Arts and Sciences. This building also has over twenty classrooms. At the north end of the building is Memorial Hall, the College Auditorium, with a seating capacity of about eighteen hundred.

The Library Building, located in approximately the center of the campus, houses the Main Library, the Agricultural Reference Department, the Museum, the Recreational Reading Room, Radio Room and the Music Room. The Social Science Department uses four class rooms on the second floor, and the Mailing Room for the Experiment Station and Extension Departments is on the basement floor.

The Library contains 115,000 bound volumes, consisting of books, periodicals and U. S. Government Publications. In addition to the bound volumes the Library contains 787,795 unbound Federal, State, Experiment Station and Extension Service publications; 7,106 unbound periodicals and 40,232 pamphlets and clippings in the vertical subject file. A grant from the General Education Board is enabling the Library to greatly strengthen its holdings of scientific and technical periodicals, journals and books.

The Museum is located on the balcony of the Main Reading Room. It contains many interesting items—Indian Relics, mounted birds and animals, and World War I and II relics, all of which were gifts from friends and alumni.

The Recreational Reading Room is located in the basement of the Library Building, is beautifully and comfortably furnished, and contains many popular and attractive books, current magazines, and daily newspapers.

The Music Room, also located on the basement floor, contains a Carnegie Collection of 1,285 recordings of classical and semi-classical music, an RCA record player, along with music scores and other books relating to music.

The Library Staff consists of ten professionally trained Librarians and several other non-professional assistants and clerical workers. A trained Librarian is always on duty to assist faculty and students.

The Library is open daily from 8 a. m. until 10 p. m., Monday through Friday, from 8 a. m. to 6 p. m. Saturdays, and from 2 p. m. to 10 p. m. Sundays, with the exception of holidays.

The instructional work of the institution is maintained largely in the departmental buildings. The Schools of Agriculture, Engineering, Textiles, Education, and Chemistry have individual buildings especially designed for their purposes. The School of Arts and Sciences is located in the Administration

Building with additional classrooms in the Library and the Physics Building. Certain laboratory work is conducted at the greenhouses, live stock barns, poultry plant, veterinary hospital, and other buildings on the college farm.

The cadet barracks consist of nine large brick buildings—five of which were constructed since 1935 and three temporary wooden structures erected during 1946. All barracks are steam-heated, electrically-lighted, and supplied with hot and cold water. The one thousand and twenty-six rooms in the barracks are furnished with single-width iron beds and other necessary equipment.

The Hospital, located about a quarter of a mile from the barracks, is a wooden building, especially designed for the purpose. The equipment includes a Victor X-ray machine, a new Burdick ultra-violet ray machine, and a sorensen machine of the latest design for ear, eye, nose, and throat treatments.

The Y. M. C. A. building is a four-story structure equipped with club rooms, lounge rooms, game rooms, and has in addition, thirty rooms available for permanent roomers, guests, and transients. Some of these rooms are reserved for members of the Extension Department and other visitors and guests, and are equipped with connecting or private baths. Having an auditorium, gymnasium, and swimming pool, the YMCA building is admirably fitted to serve as a center of social activities and voluntary religious work. Two auditoriums equipped with heating and cooling systems provide accommodations for numerous conferences, especially during the summer months when fewer students are in school.

The Physical Education Building consists of a central office and dormitory section, a field house, and a gymnasium.

The Laundry, which is operated exclusively for the students, is a brick building, equipped with improved modern machinery.

Fort Hill, the former home of John C. Calhoun, is located on the Clemson campus. In accordance with the provisions of

Mr. Clemson's will, this residence has been made a shrine in honor of Mr. Calhoun. Several pieces of furniture and other interesting relics, formerly the property of Mr. Calhoun, are carefully preserved in this home, where they may be seen by visitors to the college.

Grounds. The college grounds comprise about 1,645 acres, including the campus, the farm, and the Experiment Station grounds. The two-hundred acre campus is laid out in walks, drives, and lawns, and is shaded by a beautiful grove of native forest trees.

LIVING CONDITIONS

At Clemson cadets live in barracks under military discipline. A cadet must at all times be present or accounted for. The barracks or dormitories are divided into "halls" for military purposes, a company being assigned to a hall under the supervision of cadet officers.

Cadet officers remain on duty both day and night at the guard room, in which is located a long-distance telephone with twenty-four hour service.

Each student room is equipped with necessary furniture. The beds are single width. Bed linen, bed covers, pillows, and towels must be furnished by the students. All students are required to provide themselves with two laundry bags. These laundry bags should be not less than 20 by 30 inches.

The dining hall, or mess hall, is located in Barracks No. 1. It is equipped and is under the supervision of the mess officer. The kitchen and cold storage plant are among the best in the South. All students living in the barracks eat in the dining hall.

Three hundred and forty-eight houses for veteran students with families are also provided. These houses are the prefabricated type and are equipped with space heater, cooking range, hot water heater and ice boxes. Furniture for the homes is available at a low rental rate. Applications should be submitted to the Clemson Housing Project, located in the Administration Building.

RESERVE OFFICERS' TRAINING CORPS (ROTC)

All cadets of the college are required to take military training. ROTC is compulsory for the first two years for all physically qualified students, unless they have completed the basic course at other schools or are veterans enrolled under Public Laws 16 or 346. Qualified veterans of World War II who are not in the Cadet Corps are excused from all military functions. They may elect to become members of the ROTC with permission of the PMS&T, in which event they become members of the Clemson Cadet Corps.

The Department of the Air Force and the Department of the Army maintain Senior Division Units of the ROTC at Clemson. The institution is classified by the Department of the Air Force and the Department of the Army as a Military College. The mission of the Reserve Officers' Training Corps is to produce junior officers who have qualities of leadership and attributes essential to their progressive and continued development as officers in the Air Force and Army of the United States. The Military Department at Clemson places emphasis upon leadership to assist Clemson men in meeting any situation in life with success and honor.

The Department of the Air Force provides a course in Aircraft Maintenance Engineering. The Department of the Army maintains six branches at Clemson as follows: Armored Cavalry, Infantry, Ordnance Department, Corps of Engineers, Quartermaster Corps and Signal Corps.

The ROTC at Clemson consists of two parts: the Basic Course (Freshman and Sophomore Military or Air Science) and the Advanced Course (Junior and Senior Military or Air Science). The Basic Course consists of two hours of scheduled classroom work, two hours of drill and one hour of inspection per week. The Advanced Course consists of four hours of scheduled classroom work, two hours of drill and one hour of inspection per week. For each semester Basic ROTC training successfully completed, the student receives one credit hour and for each semester Advanced ROTC successfully completed, the student receives three credit

hours, all of which are counted as approved credits in the curricula toward a degree.

The first year Basic Course is common to both the Army and the Air Force. Before entering the second year Basic Course, the student must decide whether he wishes to enroll in Army ROTC or Air Force ROTC. The student is permitted to select the ROTC course he desires consistent with his major course and established quotas for each service.

For enrollment in a particular Army branch, the student must be majoring in one of the major courses indicated below:

Armored Cavalry	—Any major course.
Corps of Engineers	—Any Engineering course, Architecture, or any major course leading to a scientific degree.
Infantry	—Any major course.
Ordnance Department	—Any Engineering course or any major course leading to a scientific degree.
Quartermaster Corps	—Any major course.
Signal Corps	—Any Engineering course, Industrial Physics, Arts and Sciences, or any major course leading to a scientific degree.

For enrollment in Aircraft Maintenance Engineering, it is a policy to select those students majoring in an Engineering course.

For all practical purposes the student will, upon completion of Sophomore ROTC, select the same branch in the Advanced course as he pursued during the Sophomore year.

Summer Camp. Members of the Advanced Course are required to attend camp one summer, normally between the junior and senior years. All students going to camp receive mileage for the round trip at the rate of five cents per mile, and are messed, housed, uniformed, and given medical attention at government expense while at the camp. The camp is of six weeks duration and it begins about June 20 each year.

The military training at camp consists of practical and theoretical instruction of a specialized branch-type, emphasizing

field work and special equipment that cannot readily be housed or maintained on the campus. In addition to this training, the student has an opportunity to participate in healthy outdoor sports of all kinds and in competition with young men from other colleges. A religious program is conducted at each camp.

Distinguished Military Graduates. Both the Army and the Air Force have a program whereby outstanding ROTC students are eligible upon graduation for direct appointment as commissioned officers in the regular service. At the completion of their Junior ROTC, students who have creditable grades in their academic subjects and Military Science, and possess outstanding qualities of leadership, character and aptitude for military service, are designated, with the approval of the College President, as Distinguished Military Students by their PMS&T or PAS&T. Distinguished Military Students who continue their outstanding record during their final year are designated as Distinguished Military Graduates. A Distinguished Military Graduate may apply for an appointment as a second Lieutenant in the Regular Army or the Regular Air Force.

Enrollment and Continued Requirements. The general requirements for enrollment and continuance in the ROTC are that the student be a citizen of the United States, physically qualified as prescribed by the War Department, accepted by the institution as a regularly enrolled student, be not less than fourteen years of age and must not have reached twenty-three years of age at the time of enrollment except for veterans of World War II enrolling at college prior to January 1, 1950; in addition, the student must successfully complete such general survey screening tests as are given to determine eligibility for admittance to the basic and advanced courses and agree in writing upon admission to the Advanced ROTC course to complete the course of instruction offered unless released by the War Department. Should a student fail to continue the prescribed course while a student at Clemson College, he may be required to refund to the Government any sums previously paid. The contract will expire if the student's attendance at school is interrupted for more than two calendar years. All students formally enrolled in the Advanced Course must not have reached twenty-seven years of age at the time of enrollment.

Emoluments. Currently, commutation in lieu of uniforms is paid to Basic ROTC students at the rate of $25.00 per year, not to exceed two years, and to Advanced ROTC students at the rate of $90.00 for the Junior and Senior years combined. In addition, Advance course students receive commutation in lieu of subsistence at the rate of ninety cents per day for a total of not to exceed 570 days, and the pay of a private ($75.00 per month) while at summer camp. A student who enters the ROTC as a freshman and continues until his graduation will have drawn from the government over $750.00 at the present rate of commutation.

ROTC subsistence allowance is paid to veterans who are enrolled in the Advanced Course in addition to subsistence allowance under Section 400(b), Serviceman's Readjustment Act of 1944.

Band. The Corps of Cadets has a band composed of about one hundred members; it is organized as a cadet company. Both the War Department and the college have provided instruments; however, potential members of the Band are encouraged to bring their instruments to college with them. The training of the band is under the supervision of a competent director.

Rifle Team. A rifle team chosen through individual competition is selected to represent the ROTC in Hearst Matches, Army Matches, Air Force Matches, and in matches with other colleges and universities throughout the country. Shoulder-to-shoulder matches are fired each year. The firing is conducted with modern small-bore target rifles on an indoor range.

STUDENT HEALTH SERVICE

The Surgeon, who has complete charge of the hospital, is one of the regular officers of the College, and his special duty is to look after the health of the students.

At a specified time every day, students who desire may consult the Surgeon, and those who are admitted to the hospital are cared for by experienced nurses in the college hospital. In case of necessity students are allowed to consult the Surgeon at any time, or to send for him in an emergency.

The Surgeon cannot undertake to notify parents every time a student reports to the hospital for medicine, or for rest on account of some slight complaint. However, they may rest assured that they will be notified at once of sickness of any consequence.

The medical fee paid by each student is intended to cover all ordinary cases of sickness and their treatment. It is not intended to cover fees of doctors or specialists called into consultation, for performing operations, for special nurses, or for any medical or surgical attentions performed away from the College; and the College does not assume any responsibility for accidents that happen away from the College. Such expenses must be borne by the parents. The right of the College Surgeon, with the approval of the President of the College, to incur in behalf of any student under his care any of these extra services is hereby expressly reserved.

RELIGIOUS INFLUENCES

Clemson cooperates with the various churches and the Y. M. C. A. in the religious training of its students. The Y. M. C. A., located on the campus, provides accommodations for all denominational groups not having church homes on the campus and is used a great deal by campus church groups, often because it is so convenient and accessible. Numerous union services and cooperative meetings of young people's societies of the campus churches, of the Y. M. C. A. Councils, and Cabinet afford a united front for religious services.

Six denominations: Baptist, Episcopal, Lutheran, Methodist, Presbyterian, and Roman Catholic, have erected churches in the community. Arrangements are made for services for students of other denominations. Sunday schools and young people's church societies are maintained by the local churches. Attendance upon the services of these organizations is voluntary.

Courses in Religion, which are credited as free electives, are offered. This work is not financed by the College. For information regarding these courses see the description of courses.

HISTORICAL STATEMENT

In 1889, the General Assembly of South Carolina accepted the bequest of Thomas G. Clemson, which set aside the bulk of the Clemson estate for the founding of a scientific and technical college. The institution was also established under the Morrill Land-Grant Act passed by the National Congress in 1862. Clemson College, therefore, is the Agricultural and Mechanical College of South Carolina and is a member of the national system of Land-Grant Colleges and Universities.

The nature of the institution is outlined in Mr. Clemson's will and its acceptance by the legislature.

The will in part reads:

"Feeling a great sympathy for the farmers of this State, and the difficulties with which they have to contend in their efforts to establish the business of agriculture upon a proper basis, and believing that there can be no permanent improvement in agriculture without a knowledge of those sciences which pertain particularly thereto, I have determined to devote the bulk of my property to the establishment of an Agricultural College upon the Fort Hill Place. My purpose is to establish an Agricultural College which will afford useful information to the farmers and mechanics; therefore it should afford thorough instruction in agriculture and the natural sciences connected therewith; it should combine, if practicable, physical with intellectual education; and should be a high seminary of learning in which the graduate of the common schools can commence, pursue and finish a course of studies terminating in thorough theoretic and practical instruction in those sciences and arts which bear directly upon agriculture. • • • • but to always bear in mind that the benefits herein sought to be bestowed are intended to benefit agriculture and mechanical industries. • • • • I trust I do not exaggerate the importance of such an institution for developing the material resources of the State, by affording its youth the advantages of scientific culture.

"The desire to establish such a school or college, as I have provided for in my said last will and testament, has existed with me for many years past, and many years ago I determined

to devote the bulk of my property to the establishment of an Agricultural School or College. To accomplish this purpose is now the one great desire of my life."

This will gave all that part of the Fort Hill Estate inherited by Mrs. Clemson from her mother and the bulk of Mr. Clemson's other real and personal property. The latter amounted to a sum, which, considering the purchasing power at the time, probably has been only a few times exceeded in a public benefaction in South Carolina.

A Board of Trustees of seven members was provided for: R. W. Simpson, D. K. Norris, M. L. Donaldson, R. E. Bowen, B. R. Tillman, J. E. Wannamaker, and J. E. Bradley, who with those chosen by the General Assembly, should constitute a governing board in case the State accepted the bequest; but, who, in case the State declined the bequest, should alone constitute a governing board for a private institution.

These seven trustees, along with other friends of the movement, and the agricultural groups in the State developed and organized a public opinion favorable to the plan.

In November, 1889, the General Assembly of South Carolina accepted the terms of the will, and, following the decision of the United States Supreme Court to uphold the will, the State of South Carolina and the full Board of Trustees proceeded to convert the dream of Thomas G. Clemson into the reality of Clemson College.

The College was formally opened in July, 1893, with an enrollment of 446 students. The first graduating exercises were held in December, 1896, with a graduating class numbering thirty-seven—fifteen in the agricultural courses and twenty-two in the engineering courses.

LOCATION

The College is located on the Fort Hill homestead of John C. Calhoun, in the foothills of the Blue Ridge Mountains. It has an elevation of 800 feet above sea level and commands an excellent view of the mountains to the north and west, some of which attain an altitude of over five thousand feet.

The College is located at Clemson, S. C., on the main line of the Southern Railway, and four miles from Pendleton, on the Blue Ridge Railway. State Highways numbers 13 and 28 pass through Clemson, and daily bus service at regular intervals is available.

CLEMSON COLLEGE ALUMNI CORPORATION

The Alumni Corporation has established a permanent office on the campus. The office is in charge of a secretary, who is elected by the Board of Directors of the Corporation. The Clemson office is a clearing house for all matters concerning the alumni. In addition to keeping accurate records of addresses and information concerning alumni, the Corporation has established at the Clemson headquarters a bureau for repairing Clemson class rings, and for securing duplicates of these rings.

The Corporation holds its regular annual meeting at the College on Saturday of Commencement. At this meeting all officers are elected. The Secretary is elected by the Board of Directors which is in turn responsible to the general Corporation for the conduct of its business. The purpose of the Alumni Corporation is to serve the College and the alumni in every possible way. All correspondence regarding its affairs is conducted through the Clemson office.

Graduates and former students are requested to keep the Alumni Office informed as to change of address, occupation, and other matters that will be of interest to those in charge of Alumni Records and mailing lists.

The Alumni Corporation is now raising a fund to be used in educating the sons and daughters of Clemson men who were killed in World War II. The fund now stands at approximately fifty-thousand dollars. Anyone interested in contributing to this fund should contact the Alumni Secretary, Clemson College, Clemson, South Carolina.

The Alumni Corporation is also raising a fund as an endowment for the College, known as the Clemson College Foundation. This fund will be used for the benefit of Clemson College, its students, faculty and alumni.

THE

CLEMSON

AGRICULTURAL

COLLEGE

RECORD

PART III

Student Life And Activities

PART III—STUDENT LIFE AND ACTIVITIES

CADET MILITARY ORGANIZATION

Clemson College is operated as a military school. The purpose of the military in the college is to instill the soldierly qualities of loyalty, obedience, courteousness, punctuality, self-control, and courage.

The military system places every student on an equal standing. All cadets wear the uniform, live under the same conditions, and are subject to the same privileges and restrictions.

The military system assists the students in pursuit of a college education. Military training gives to Clemson graduates advantages that are important factors in their future progress and success.

CLUBS AND SOCIETIES

Honor Fraternities. Honor scholarship organizations, including Tau Beta Pi, Sigma Tau Epsilon, Phi Psi, Alpha Zeta, Alpha Tau Alpha, Iota Lambda Sigma, Alpha Chi Sigma, Sigma Pi Sigma, and the Minaret Club, give recognition to superior work done by Engineering, Arts and Sciences, Textile, Agricultural, Agricultural Education, Industrial Education, Chemistry, Physics, and Architecture students respectively.

The Phi Kappa Phi, honor society, and the Phi Eta Sigma fraternity both have chapters at Clemson. The former is an all-college honor organization composed of members of the senior class. The latter is a freshman organization with members selected from students who attain a high scholastic standing during the first semester of the freshman year.

The military activities of the cadet officers of the corps are recognized in membership in the Society of Scabbard and Blade, a national military honor fraternity. The Pershing Rifles, a national honorary military organization, also has a chapter at Clemson.

The Blue Key, a national fraternity based upon leadership, has a chapter at Clemson, as does Alpha Phi Omega, a national fraternity for former Boy Scouts. The Tiger Brotherhood is a local organization at Clemson which stresses the qualities of leadership.

Student Clubs. Students majoring in various courses of instruction have organized clubs. Among such clubs are included the Agricultural Economics Society, the Dairy Club, the Horticultural Club, and Iota Epsilon (Industrial Education) and the Animal Husbandry Club.

The Calhoun Forensic Society and the Strawberry Leaf promote literary activities among the students; and the Gamma Alpha Mu recognizes superior journalistic service rendered by students.

The Y. M. C. A. and the Clemson Churches are recognized through organizations of the Baptist Student Union, Brandeis Club, Canterbury Club, Newman Club, Presbyterian Students Association, Wesley Foundation, Y. M. C. A. Cabinet, and the "Y" Council representing each of the four classes.

Engineering Societies. Outstanding students majoring in engineering courses are selected for membership in the Student Chapter of the American Institute of Electrical Engineers, American Society of Mechanical Engineers, American Society of Civil Engineers and the American Society of Agricultural Engineers.

Music Activities. The Clemson College Glee Club is composed of approximately sixty students under the musical leadership of the Director of Music. The organization performs the best in choral literature and makes appearances at various student functions on the campus. Students interested in the organization may become members by satisfactorily completing a simple audition. Previous experience and the ability to read music are not required.

In the spring of each year, the Glee Club makes a short tour of nearby institutions. Another highlight of the year is the participation by the Glee Club in a three hundred voice mixed choir of South Carolina College students in a performance with

the Southern Symphony Orchestra. This concert is given annually in Township Auditorium, Columbia, South Carolina.

The Senior Platoon. The Senior Platoon is a Fancy Drill unit composed of cadet officers of the Senior class. This Platoon was activated in 1931 for the purpose of increasing proficiency and developing pride among the cadet officers. Frequent exhibitions of fancy drill are given by this Platoon at football games and other celebrations and ceremonies.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION

The Y. M. C. A. partakes of the nature of a small city Y. M. C. A. While it is recognized as a student association, the tremendous volume of community service undertaken in the building might easily qualify it as a community building. The Athletic Association has granted permission for the Y. M. C. A. to sponsor basketball and volley ball games in the Field House. Hundreds of basketball and volley ball games are participated in by students, Faculty, Campus children, and visitors from neighboring communities. Saturday morning games are sponsored for children of the community. A picture program is provided for boys and girls of the community as well as students and the swimming pool is available during the winter and summer months for campus children and visitors such as scout groups, 4-H groups, FFA and others. Social functions sponsored by the Y. M. C. A., or with the Y. M. C. A. cooperating, and Open House programs are almost daily occurrences in the club rooms, scout rooms, and cabinet rooms. It is here that many visiting groups are entertained with, and for, students and campus organizations. Evening Watch prayer group, forum groups, freshmen, sophomore, junior, and senior councils all cooperate with, and under, the leadership of the Y. M. C. A. senior cabinet to make possible a real spiritual and mental development in the lives of all the students. Sixty-two faculty members and others visited with students in their evening watch or forum meetings in barracks last year and many student leaders took part in these meetings.

The Y. M. C. A. has supervision of voluntary religious activities of the students and endeavors to contribute to the religious, social, and physical life of the college community.

There are two Vesper services in the Y. M. C. A. auditorium each Sunday. Usually 400 or more attend the afternoon Vesper and often 550 or 600 attend the evening Vesper. Outstanding speakers and many visiting deputation groups are supplemented by local speakers, ministers, and campus leaders. Many educational, news, and travel reels are shown for the students over the weekend. In recent years a number of outstanding speakers have returned to the campus. Included in this group have been many graduates of Clemson who have achieved distinction in the field of education, religion, industry, science, and agriculture.

The college swimming pool at Clemson is located in the Y. M. C. A. Swimming classes, life saving, and instructor's courses are given. Members of the freshman and varsity swimming teams train here and many company swimming meets are scheduled. The pool is heated throughout the winter months and it is filtered and chlorinated with electric equipment.

Intramural athletics are encouraged and sponsored by the Physical Education Department and the Y. M. C. A. All of the companies with military organization and athletic officers have teams in such sports as basketball, volleyball, swimming, baseball, and soccer. These competitive games receive hearty support from many students and afford an opportunity for active participation. Practically all of the students at Clemson participate in some form of recreation or an intramural sport. Quite a number take part in many intramural sports. Participation is voluntary, but the majority of the students take advantage of this opportunity for wholesome recreation and physical direction. A director and trained student leaders are provided by the YMCA and these cooperate with A & R officers and with interested veterans.

ATHLETICS

It is the policy of the College to sanction and encourage athletics so long as participation does not interfere with studies and other duties. Football, baseball, basketball, and track are the most popular sports.

The College is a member of the Southern Conference and of the South Carolina Inter-collegiate Athletic Association. In

order to participate in inter-collegiate athletics, the student must meet the requirements of the Southern Conference as well as the requirements of the College.

No member of an athletic team is eligible for a managerial position in any other branch of sport.

No team is allowed to leave the College grounds to participate in any match game unless accompanied by the authorized coach or other member of the faculty, who shall be responsible to the College for the conduct of the players while away.

No student is eligible to participate in an inter-collegiate contest who is away from the College without proper authority or without having complied with all the rules or orders issued by the President regarding such matters.

HONORS AND AWARDS

Trustees' Medal. The Board of Trustees has provided for a gold medal to be awarded annually at Commencement to the best speaker in the student body.

The medal was awarded in 1949 to Giles Floyd Lewis of Orlando, Florida.

Norris Medal. The following is from the will of the Hon. D. K. Norris, a life trustee of Clemson, who died in 1905:

"I give $500 face value, Norris Cotton Mill stock . . . on condition the dividend thereon shall be applied annually to the purchase of a gold medal, to be known as the 'Norris Medal', to be awarded to the student of Clemson meriting the same at graduation, under such rules and conditions as may be prescribed by the said Board of Trustees, and which medal shall have engraved on it 'Honor habet onus' (Honor brings responsibility)."

In 1949 this medal was awarded to Edwin Hoffman Rhyne of Clemson, South Carolina.

R. W. Simpson Medal. A medal designated as the "R. W. Simpson Medal" is awarded annually to the best drilled cadet in the freshman, sophomore or junior class.

In 1949 the medal was awarded to John Holtzclaw James, Jr. of Cleveland, North Carolina.

Andrew Pickens Medal. An award designated as the Andrew Pickens Medal is awarded annually to the outstanding cadet in Military achievement, leadership, soldierly bearing and loyalty.

In 1949 this medal was awarded to John Allen Richbourg of Summerton, South Carolina.

Arnold R. Boyd English Honor Key. Arnold R. Boyd, '14, now a lawyer in New York, donates this Honor Key annually to the student in the graduating class who makes the best record in English during his college course.

In 1949 this award was given to Robert Franklin Wiggins of Mullins, South Carolina.

Architect's Medal. The South Carolina Chapter of the American Institute of Architects each year awards a medal to the outstanding junior or senior in Architecture.

In 1949 the medal was awarded to Phelps Herbert Bultman of Sumter, South Carolina.

Agricultural Certificates of Merit. Beginning with the session of 1914-1915 certificates of merit have at times been awarded to two farmers in South Carolina who have rendered distinguished service in the agricultural development of the State.

National Association of Cotton Manufacturers Medal. For several years this medal has been awarded to the outstanding graduate in Textile Engineering, both in February and in June.

In 1949 these awards were given to George Herman Ashley of Ware Shoals, South Carolina, and Harry Malone Miller of Chester, South Carolina.

Textron Scholarship. A cash award of $500.00 to assist in covering school expenses during the senior year of an outstanding student in the School of Textiles. The Textron Scholarship is awarded to a textile student selected by the Dean and faculty of the School of Textiles on the basis of high academic achievement

and outstanding leadership qualifications for future application in the American textile industry.

The Scholarship was awarded to James Foster Cathcart of Bishopville, South Carolina, for the 1949-1950 session.

The American Association of Textile Chemists and Colorists Award. This award for the best work done in Textile Chemistry and Dyeing by a member of the graduating class was given in 1949 to Joseph Patrick Clancy of Lancaster, South Carolina.

Armed Forces Communications Association Medal. The Armed Forces Communications Association of Washington, D. C., sponsors annually an award to the outstanding student taking military training with communications or electronics as the major course.

In 1949 this medal was awarded to John Broadus Berry, Jr. of Avondale Estates, Georgia.

The Society of American Military Engineers Medal. The Society of American Military Engineers of Washington, D. C., sponsors annually an award to the outstanding cadet in the Corps of Engineers Advanced ROTC.

In 1949 this medal was awarded to Hugh McLeod Hardaway of Dillon, South Carolina.

Phi Psi Award. This award is made by the National Honor Council of the Phi Psi Textile Fraternity to the textile graduate who has attained the highest scholastic record in textile courses.

In 1949 this award was given to Harry Malone Miller of Chester, South Carolina.

Anderson Fellowship. This fellowship, providing the sum of $400 annually for pursuing graduate study in agriculture, was awarded in 1949 to Ernest Lee Corley of Saluda, South Carolina.

Quartermaster Association Annual Awards. The Quartermaster Association, Washington, D. C., sponsors annual awards to the outstanding First Year Advanced Quartermaster Cadet and to the outstanding Second Year Advanced Quartermaster Cadet. The outstanding First Year Advanced Quartermaster Cadet re-

ceives a medal of appropriate design upon which is superimposed the insignia of the Quartermaster Association. The outstanding Second Year Advanced Quartermaster Cadet will be presented a scholastic key of similar design.

Candidates for the awards will be selected by the Professor of Military Science and Tactics and the Quartermaster ROTC Instructor.

In 1949 the outstanding cadet in Quartermaster First Year Advanced ROTC was Richard Neal Westmoreland of Winston-Salem, North Carolina.

In 1949 the outstanding cadet in Quartermaster Second Year Advanced ROTC was Charles Neal Still of Greenwood, South Carolina.

Ordnance Association Annual Award. The Ordnance Association, Washington, D. C., sponsors annually an award to the outstanding Second Year Advanced Ordnance Cadet. This cadet will be selected by the Professor of Military Science and the Ordnance ROTC Instructor.

In 1949 the outstanding cadet in Ordnance Second Year Advanced ROTC was William McDonald Goodman of Olanta, South Carolina.

James Lynah Merit Awards. Income from a fund established by Mr. James Lynah in memory of distinguished professors who were teaching at Clemson when the members of the Class of 1902 were undergraduates shall be used to grant prizes. A sum of money not to exceed the income shall be allotted equally to five young men out of each graduating class who in the opinion of the faculty meet the specific requirements.

The 1949 recipients of the awards of $50 each were: The Mark Bernard Hardin prize in Chemistry to Crayton McCants Crawford of Greenville, South Carolina. The Charles Manning Furman prize in English to Phelps Herbert Bultman of Sumter, South Carolina.

The William Shannon Morrison prize in History to Edwin Hoffman Rhyne of Clemson, South Carolina. The Walter Merritt

Riggs prize in Electrical Engineering to Hugh Ellison McKinney of Greenville, South Carolina. The Augustus G. Shanklin prize in Military Science and Tactics to Walter Clyde Herron, Jr., of Anderson, South Carolina.

Class of 1902 *Awards.* In recognition of the distinguished teaching services of three professors who were on the College faculty at the time the Class of 1902 was at Clemson, and in memory of those of the class who have passed on, the members of the Class of 1902 have deposited with the Clemson College Foundation the three following funds of $2,000.00 each, the income from these funds to be awarded annually.

The Williston Wightman Klugh award to a worthy, earnest undergraduate student of good moral code and personality who intends to make teaching his life work, selection to be made by the College.

The Rudolph Edward Lee award, to a worthy undergraduate student in Architecture, selected upon the recommendation of the faculty of the Department of Architecture after consideration of the student's grades, extracurricular activities, and those qualities that go toward making a successful professional architect.

The Samuel Maner Martin award, to a worthy undergraduate student taking mathematics as a major subject, selection to be made by the College.

Sears-Roebuck Award. An award of $200 is given to the Sophomore who makes the highest scholastic average as a Freshman Sears-Roebuck Scholar.

In 1949 this award was given to Robert Melvin Prince, Jr. of Lynchburg, South Carolina.

The Borden Agricultural Scholarship. The Borden Company Foundation awards annually the sum of $300 to the eligible Senior achieving the highest average grade on all college work preceding the Senior year. To be eligible for this award, the student must have included in his curricula two or more Dairy subjects.

In 1949 this award was given to Calvin Coolidge Taylor of Greenville, South Carolina.

Alpha Zeta Award. An annual award given to the sophomore in agriculture having the highest grade point ratio for the first three semesters.

In 1949 this award was given to Winston Hall Sibley of Greenville, South Carolina.

The Clark Lindsay McCaslan Award. The sum of $1,000 has been deposited with the College to establish a fund in memory of Clark Lindsay McCaslan, a graduate of Clemson College in the class of 1908, and a pioneer in Agricultural Engineering. The income from the fund shall be given annually to the student in the Department of Agricultural Engineering who, in the opinion of the faculty, shall be deemed to be the most deserving.

In 1949 this award was given to Absalom West Snell of Elloree, South Carolina.

Danforth Fellowships. The Danforth Foundation of St. Louis awards fellowships each year to two agricultural students. One of these is given to an outstanding member of the Junior Class majoring in either Dairying, Animal Husbandry or Poultry Husbandry. The award amounts to $180.00 and provides expenses incident to the attendance of the recipient at a two-weeks summer short course for training in salesmanship at the laboratories of the Ralston Purina Company in St. Louis and also for a two-weeks stay at the American Youth Foundation Leadership Training Camp at Shelby, Michigan.

The fellowship for 1949 was awarded to James Keith Price, of Gaffney, junior in Animal Husbandry.

The second Danforth fellowship amounting to $50.00 is awarded to an outstanding freshman expecting to major in the animal science field. It provides for a two-weeks stay at the Leadership Camp at Shelby, Michigan—the same camp to which the recipient of the Junior award goes. This award for 1949 was received by David Mangum, of Spartanburg, freshman in Animal Husbandry.

THE

CLEMSON

AGRICULTURAL

COLLEGE

RECORD

PART IV

Organization And Government

PART IV—ORGANIZATION AND GOVERNMENT

ADMINISTRATIVE ORGANIZATION

Board of Trustees. The government of the College is vested in a Board of thirteen members, six of whom are elected by the Legislature, and seven life and self-perpetuating under the Clemson will. The function of this Board is legislative and not executive. The Board determines the general policy of the College, makes the laws for its government, and directs the expenditure of its funds.

The President is the chief executive and administrative officer appointed by the Board of Trustees. He is the head of the College and is responsible for its satisfactory working and success.

The College is divided into schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles. A dean is at the head of each school and is responsible to the President for its conduct and success. The schools are comprised of departments. Each department is in charge of a professor who acts as its head. The President conducts all official business with each department through its dean.

The Faculty consists of all officers of instruction in the College. The voting members are the deans, professors, associate professors, and assistant professors.

The faculty meets once a month, or whenever called by the President, and is an advisory body to the President, on the instructional work of the College and such other business as he may bring before it.

The deans and directors of the various schools and departments meet weekly or when called by the President for consideration of matters affecting the welfare of the College. Departmental faculty meetings are held periodically.

Faculty Committees. In order to aid him in his executive duties and to carry on the instructional work of the College,

the President appoints committees from the faculty. To these are assigned certain specified lines of work and the committees are clothed with full authority.

MILITARY ORGANIZATION

The President. The President of the College shall have general command and government of the institution, watching over its administration, discipline, and instruction. He shall have authority to make rules from time to time, governing the granting of permits and furloughs to cadets; to inspect anything in a cadet's room or personal baggage; to suspend or modify these regulations, or to publish special regulations when he considers it necessary, which shall have the authority of the Board of Trustees until they shall act on the same. He shall prescribe the hours of study, drill, and recreation.

Commandant. The Commandant of Cadets, under the President, has supervision of the military administration and discipline of the Clemson Cadet Corps. He shall prescribe the order in which the furniture, bedding, books, clothing, and other equipment shall be arranged throughout the barracks and shall make an inspection of the rooms, furniture, arms, equipment and uniforms of the cadets at least once each week. He shall have the right to inspect anything in a student's room or personal baggage. He shall perform such other duties as are prescribed in the cadet regulations and other official orders of the institutional authorities. The Commandant shall be the officer assigned to the college by the Department of the Army as Professor of Military Science and Tactics (PMS&T).

Assistant Commandants. All Army and Air Force officers assigned to the college by their respective departments will be Assistant Commandants. They will perform such duties as may be prescribed for them by the President or Commandant.

Military Instruction. All students, excepting such students as are excused by the President, must take a minimum of three hours military instruction (drill and inspection) per week until they become seniors. All who pass the required physical examina-

tion must take the Basic ROTC course during their first two years of residence. Currently, students who are veterans of World War II are excused from Basic ROTC and activities of the Cadet Corps unless they enter the Advanced ROTC.

Cadet Officers and Non-commissioned Officers. The cadet officers and cadet non-commissioned officers are appointed by the Commandant, subject to the approval of the President. When practicable they shall be appointed from members of the R. O. T. C. who have been most studious and soldier-like in the performance of their duties and most exemplary in their conduct. No cadet may decline any office to which he may be appointed.

As a rule the cadet officers shall be appointed from the senior class; the cadet non-commissioned officers, except corporals, from the junior class; and the corporals from the sophomore class.

Study Hours. Study hours are those parts of the day which are designated for study and shall be prescribed in orders. All hours at which a student has no classes or other duties may be used as study hours and students are expected to use vacant hours during the day as well as the assigned period after supper for study.

Furloughs. Every cadet is responsible for his class absences whether he is on a furlough or at the College. Restrictions regarding class absences are explained in the class attendance regulations. Any cadet who has been granted a furlough and who stays over the time stipulated, unless for sickness or other reason acceptable to the Commandant, will be administered a punishment not to exceed one month's arrest and twenty demerits. In case a cadet is prevented by sickness from returning at the stipulated time, he must submit a certificate from his attending physician. However, no such certificate will be accepted unless the President or the Commandant has been notified in advance of the expiration of the furlough.

Cadets returning late on furlough are placed in room arrest pending an investigation of the reason of the late return.

All communications from parents requesting furloughs for their sons must be addressed or sent directly to "The Commandant," and must set forth fully the reason for the request. No furlough will be granted unless the reasons given are considered satisfactory and sufficient justification for any loss of time from college duties. Every student is held responsible for his class absences in accordance with the provisions of the class attendance regulations. Telegrams which do not explain fully will not be accepted as complying with the rules. In any case in which business is given as a reason, the nature of the business must be explained fully.

A parent has the right to demand a discharge from College at any time and for any reason, but the College authorities reserve the right to grant or refuse furloughs.

Week-End Leaves. Week-end leaves will be granted under conditions prescribed by the President.

Demerits. Any regular cadet who may receive within any one semester more than 90 demerits during his freshman year, or more than 70 demerits during his sophomore year, or more than 60 demerits during his junior year, or more than 50 demerits during his senior year; or any day cadet who may receive within any one semester more than 80 demerits during his freshman year, or more than 60 demerits during his sophomore year, or more than 50 demerits during his junior year, or more than 40 demerits during his senior year shall be required, by the President, to withdraw immediately from College.

Discharge. No cadet unless twenty-one years of age and paying his own way at college shall be honorably discharged except on the written application of his parents or guardian addressed to the President, or for reasons satisfactory to the President.

SCHOLASTIC REGULATIONS

1. *Credits.* The semester hour shall be the basis of all credits. One recitation hour or three laboratory or shop hours a week constitute a semester hour. The standing of a student in his work at the end of a semester shall be based on daily class

work, tests or other work, and the final examinations. Written examinations shall be required in all subjects at the end of each semester, except in certain laboratory or practical courses where not deemed necessary by the department faculty. A semester grade once reported to the Registrar shall be the final grade for the period covered.

2. *Grading System.* The grading system is as follows:

A—*Excellent.* Indicates that the student is doing work of a very high character. The highest grade given.

B—*Good.* Indicates work that is satisfactory, though not of the highest order.

C—*Fair.* Indicates work of average or medium character.

D—*Pass.* Indicates work below average and unsatisfactory. The lowest passing grade. For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required.

E—*Conditioned.* Indicates a failure to satisfy the requirements as to daily recitations, tests or other work, as well as to the final examination, which condition in the opinion of the instructor may be made up by re-examination at some fixed time.

F—*Failed.* Indicates that a student knows so little of the subject that it must be repeated in order that credit may be received.

I—*Incomplete Work.* Indicates that a relatively small part of the semester's work remains undone. A Grade I is not to be given a student who has made a grade F on his daily work.

I-Abs. Ex. Indicates absence from examination on account of sickness or other satisfactory reason.

WP—*Withdrew Passing.* This grade indicates that the student withdrew from the course while doing satisfactory work. The credit hours of a subject on which the grade of WP is received are counted as credits taken in computing the student's grade point ratio.

WF—*Withdrew Failing.* Indicates that the student withdrew from the course while doing unsatisfactory work. The credit hours of a subject on which the grade of WF is received are counted as credits taken in computing the student's grade point ratio.

Reports and Grades. Semester reports are mailed to parents after the end of each semester (usually within two or three weeks.) Mid-semester reports do not form a part of the permanent record in the Registrar's Office, but are sent to parents for their information.

Grade Points. Nine grade points are assigned for each credit hour on which the student receives the grade of A; six grade points for each credit hour of grade B; and three for each credit hour of grade C. No grade points are assigned for grades D, E, or F. In calculating a student's grade point ratio, the total number of grade points accumulated by the student is divided by the total number of credit hours taken by the student during the semester, session, or other period for which the ratio is calculated.

Dropping Class Work. A subject dropped after the first four weeks of class work is recorded as "Withdrew Passing" or "Withdrew Failing" depending upon the student's grade in the course at the time the subject was dropped.

Upon the recommendation of the instructor and the dean concerned, a student's standing will be investigated and he may be required to drop a subject because of neglect, or lack of application or preparation. No student will be dropped under this rule without approval by the President.

Removal of Grade I. All incomplete grades (I's) for a semester not removed within thirty days after the beginning of the next semester shall become F's unless an extension of time is approved by the instructor concerned and the Registrar.

A student who, for reasons satisfactory to the faculty, is absent from any examinations will be graded I-Abs. Exam. and will be allowed to make up these examinations at such time as is designated for this purpose.

3. *Academic Standards.* Proper discharge of all duties is required at Clemson College, and a student's first duty is his scholastic work. All students should be thoroughly acquainted with and cognizant of these basic requirements.

Minimum Requirements to Continue Enrollment. To be eligible to enroll the next session, a student in his first year of attendance in college must pass a minimum of twenty-four semester credit hours of work. Work passed in the summer term may be included in this minimum total.

A student in his second or any later year of attendance in college, to be eligible to continue his enrollment, must pass either, (1) a minimum of twenty-four semester credit hours of work in the two semesters of the regular session, or (2) a minimum of thirty semester credit hours of work in the two semesters of the regular session and the summer term.

In the cases of upperclassmen failing to pass thirty semester credit hours of work in two regular sessions and the summer term, exception may be made for those students whose cumulative grade point ratio, computed up to date to the nearest whole number, added to the number of hours passed will total thirty. For example, if a student passes twenty-seven hours, and his grade point ratio is three, the two added together will total thirty, and he will be eligible to enroll for the next session. The above requirements will be prorated for students entering in February.

The attention of students is directed to the fact that the freshman requirements apply to first year college students, and the more rigid requirements apply to college students in their second or later years, regardless of whether or not the student's attendance has been at Clemson or at some other institution. The student's classification does not enter into these regulations. The required minimum totals shall be exclusive of courses graded E and exclusive of courses graded I unless there are extenuating circumstances for the I.

The summer term referred to above is interpreted to mean the Clemson College Summer Term unless the student has special approval by the Committee on Admissions and the Committee on

Transfer Credits to pursue a summer program at some other institution in an effort to redeem his academic standing at Clemson.

Class Attendance Regulations. The class attendance regulations are as follows:

1. While a student's first duty in college is his class work and except for special reasons any student should be in every class on schedule, the college recognizes several justifiable reasons for class absences and authorizes absences in such instances. In addition, restricted provision is made for personal emergencies. Rigid penalties are provided for the abuse of these regulations.

2. Absence from class for any of the following reasons will be recorded as authorized, provided the absence is approved in advance by the Class Attendance Officer. The Class Attendance Officer will approve class absences only when the required action as shown opposite the reason below has been taken. Except in cases of extreme personal emergency, students who absent themselves from class prior to authorized permission, will have their absences recorded as unauthorized, even though otherwise authorized.

a. Sickness. Absence certified by the College Surgeon on the hospital report or by another doctor and endorsed by the College Surgeon.

b. Guard Duty. Absence certified by the Commandant.

c. Official representation in intercollegiate athletic events. Absence certified by the Head Coach.

d. Educational Trips. Absence certified by the Dean of the school concerned.

e. Participation in other activities considered to be official and authorized by the Deans and Directors. Absence certified by the faculty sponsor of the activity.

f. Personal emergencies of a serious nature such as death or serious illness in the family. Approved by the Commandant for Cadets or by the Class Attendance Officer for veteran students.

3. The Commandant or a member of his staff designated by him shall act as Class Attendance Officer. All absences, authorized and unauthorized, will be recorded by the Class Attendance Officer. Absence from class for any reason, except those approved in advance by the Class Attendance Officer or those excused because of conditions of extreme personal emergency, will be recorded as unauthorized. It will be the responsibility of the student to report to the Class Attendance Officer immediately for explanation of those cases when the student absents himself from class under conditions of extreme personal emergency not authorized in advance. Otherwise, such absences will be presumed to be unauthorized and will be so recorded.

4. Absentee reports will be submitted daily, on the form provided, to the Class Attendance Officer by each instructor through his Dean. All absences, authorized and unauthorized, will be reported. It will be the instructor's responsibility to determine whether or not a student is absent or late.

5. Students shall not request instructors to excuse them from class or to change class periods or examinations. Instructors have no authority to grant such requests.

6. All class work missed on account of authorized absences shall be made up to the satisfaction of the instructor concerned. Instructors will not be obligated to permit a student to make up any work missed during unauthorized absences. If the unauthorized absence is from a previously announced quiz or examination, the student will not be permitted to make up that work and will be given a grade of zero for that assignment.

7. To provide for personal emergencies, freshmen and students enrolled in 100 series courses will not be penalized for two unexcused absences per semester in each subject of three credit hours or more, and one in the case of subjects of less than three credit hours. For any additional unauthorized absences, such students will be dropped from the subject. Any freshman who is absent from more than the equivalent of four weeks' work, whether the absences are excused or unexcused, will be dropped from the subject unless his continuance is authorized by his Dean within one week after notification.

8. In the event that a student classified as sophomore or higher is absent, including both authorized and unauthorized absences, from the equivalent of three weeks of work in a course during a regular semester or one and a half in a Summer Session, the Dean of the School in which the student is majoring shall be notified by the Class Attendance Officer that such student is being dropped from the course concerned. If it is felt by the Dean that such action is undesirable, he shall notify the Class Attendance Officer to that effect within one week of the Dean's having been sent the drop notice, otherwise the drop will remain in effect.

9. Any student who, by being dropped from one or more subjects, reduces his credit hour load below twelve semester credits shall be suspended from college for at least the remainder of that semester and the semester following. A student whose class attendance record is generally unsatisfactory may be required to withdraw from college at any time.

10. Warning letters will be sent to freshmen and students enrolled in 100 series courses immediately following receipt of the first unexcused absence. Warning letters will be sent to those students classified as sophomores or higher who have had absences from the equivalent of two weeks' work. In each case, a copy of the warning letter will be forwarded to the student's parents and the instructor concerned.

11. All students must turn in a completed class schedule to the Commandant's Office within one week after registration. All changes in this schedule must be reported promptly to the Class Attendance Officer.

12. Freshman students must submit all requests for class absences to the Commandant's Office forty-eight (48) hours prior to the effective date of the class absence, except in extreme emergencies.

13. Students who are absent from the campus because of sickness will report to the Class Attendance Officer at once upon their return to school in order that their attendance record may be verified and brought up to date.

14. These class regulations are subject to change at any time by published notice of such change.

4. *Promotion and Classification.* Effective in September, 1947, and so long as the institution reclassifies students every semester, the following new classification rules will apply:

A. To be classified as a senior, a student must have completed sufficient scholastic work toward his degree to enable him to complete the requirements for graduation by completing not more than 42 additional credits. To be classified as a senior, a student must also have earned twice as many grade points as the minimum number of credit hours required in his case for senior classification.

B. To be classified as a junior, a student must have completed at least 64 semester credit hours and must have earned at least 128 grade points.

C. To be classified as a sophomore, a student must have completed at least 30 semester credit hours.

D. All new students are classified as freshmen unless they have attended another college prior to entrance and have completed sufficient scholastic work as to enable them to complete the requirements for graduation from Clemson in not more than three regular sessions.

E. *Requirements for Graduation.* For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. All work must be completed before 5 p. m. on the Thursday preceding Commencement. Residence of at least one regular session shall be required for graduation.

F. *Seniors Failing to Graduate.* A senior who fails to graduate because of one F on a subject or one or more grades of E or I shall have an opportunity of removing the unsatisfactory grades by examination after commencement provided that he can furnish evidence of having done satisfactory study. A senior who qualifies for graduation under this regulation will be awarded his degree on the next regular date for the award of degrees.

5. *Removal of Conditions.* Only one opportunity shall be given a student to remove a condition (E) by a re-examination. A student who fails to pass such a re-examination shall be re-

quired to repeat the subject hour for hour in class. Not more than twelve credit hours of conditions for a session shall be removed by re-examination. A student shall not receive a grade higher than D when a deficiency is removed by re-examination.

Re-examinations shall be held as scheduled by the schedule committee. All conditions (E's) not removed during the time set aside for re-examinations shall become failures.

6. *Removal of Failures.* A student who has failed (made a grade F) in a subject cannot receive credit for that subject until it has been satisfactorily repeated hour for hour in class, except that in the case of correlated laboratory work, the number of hours to be taken shall be determined by the instructor. Where separate grades for class and laboratory work are given, that part of the subject shall be repeated in which the failure occurs.

7. *Special Examinations.* Any request for a special examination must be approved by (1) the instructor concerned, (2) the head of the department concerned, (3) the dean of the school, and (4) the registrar.

8. *Maximum Credit Load.* The normal schedule for a student includes only as many credit hours as are required for the class and course in which he is registered. Students should schedule this amount of work unless their credits are restricted as a result of a poor scholastic record. Students are advised not to exceed the normal schedule except upon approval by the class adviser.

The number of credits which a student may schedule during either semester of the session is governed by his grade point ratio—the most recently calculated cumulative or semester ratio, whichever is higher: Until such time as a grade point ratio is available, a freshman is restricted to the requirements of his course or to 20 semester hours, whichever is higher.

Grade Point Ratio Required	Maximum Credit Hours Which May Be Scheduled
0.00 to 0.99	18
1.00 to 1.99	19
2.00 to 2.99	20
3.00 to 3.99	21
4.00 to 4.99	22
5.00 to 5.99	23
6.00 to 6.99	24
7.00 to 7.99	25
8.00 or above	26

If any student schedules excessive credits, he will be automatically dropped from a sufficient number of subjects to reduce his total credits within the limits. If for any reason a student's excessive registration continues throughout the semester, his credit on one or more subjects passed will be cancelled at the end of the semester.

THE CLEMSON AGRICULTURAL COLLEGE RECORD

PART V

Degrees and Curricula

PART V—DEGREES AND CURRICULA

BACHELORS' DEGREES

The degree of Bachelor of Science is awarded to those students who satisfactorily complete one of the four-year curricula offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Textiles, and to those students who complete the four-year course in Architecture or Architectural Engineering under the School of Engineering. The five-year course in Architecture leads to the Bachelor of Architecture degree. The degrees of Bachelor of Ceramic Engineering, Bachelor of Chemical Engineering, Bachelor of Civil Engineering, Bachelor of Electrical Engineering, and Bachelor of Mechanical Engineering are awarded to the graduates of these respective four-year courses.

The total semester credit hours required for graduation amount to 150 in each of the regular four-year curricula. These credits include the prescribed subjects in each curriculum and an appropriate number of approved electives or technical electives as outlined in the regular four-year curricula.

For graduation a student must complete his course with such grades as to give him twice as many grade points as the number of credit hours required. Nine grade points are assigned for each credit hour on which the student receives the grade of *A;* six grade points for each credit hour of grade *B*; and three for each credit hour of grade *C*. No grade points are assigned for grades *D, E,* or *F*. Candidates for the degrees listed above are required to apply for their degrees at least two months prior to the date the degrees are to be awarded. These applications should be filled out in the Registrar's Office on the regular blanks provided.

All work for a degree must be completed by 5 p. m. on the Thursday preceding graduating exercises. Residence of at least one regular session is required for graduation. Every candidate for a degree must pay to the Treasurer of the College the cost of his diploma before 5 p. m. on the Thursday preceding graduation.

If all work toward a degree is not completed within five years after entrance, the student may be required to take additional courses.

GRADUATE DEGREES

The degree of Master of Science is awarded to those students who satisfactorily complete a prescribed graduate program of work consisting of a minimum of 30 semester credit hours in the student's field of concentration. Of the 30 semester credit hours required 6 must be for research and at least 12 must come from the courses which are designed exclusively for graduate students.

For admission to graduate status the student must present evidence that he possesses a Bachelor's degree from an accredited institution and that his undergraduate preparation was of a high order. He should have the equivalent to an undergraduate major with an average grade of B or better in the field in which he desires to pursue graduate work. If the previous scholastic work is not considered adequate, the student may be required to make good the deficiency by doing additional supplementary work and lengthening the time required to obtain the degree.

Students, other than those who meet the requirements for admission to graduate status, will not be permitted to register for courses numbered 500 or higher.

Persons interested in graduate work should consult with the Chairman of the Committee on Graduate Work, the Registrar, and the Head of the department concerned, well in advance of the time at which they plan to register for graduate work.

PROFESSIONAL DEGREES

The College offers the following professional engineering degrees: Civil Engineer, Electrical Engineer and Mechanical Engineer.

The requirements for these degrees are: (a) a Bachelor's degree from Clemson College in one of these three branches in engineering, (b) five years of subsequent professional experience, one year of which must have been in responsible charge of engineering or engineering instruction, (c) the preparation of a

thesis demonstrating distinct technical ability. (Detailed information regarding professional degrees may be obtained from the Registrar.)

CURRICULA

Twenty-eight undergraduate curricula are offered under the Schools of Agriculture, Arts and Sciences, Chemistry, Education, Engineering, and Textiles, The curricula under each school are listed below:

School of Agriculture
- Agricultural Economics
- Agricultural Engineering
- Agronomy
- Animal Husbandry
- Botany
- Dairy
- Entomology
- Horticulture
- Poultry
- Pre-Forestry
- Pre-Veterinary

School of Arts and Sciences
- Arts and Sciences
- Industrial Physics
- Pre-Medicine

School of Chemistry
- Chemistry

School of Education
- Education
- Industrial Education
- Vocational Agricultural Education

School of Engineering
- Architecture
- Architectural Engineering
- Ceramic Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

School of Textiles
- Textile Chemistry
- Textile Engineering
- Textile Manufacturing

While the College is glad to assist all who ask for help in securing employment, it does not guarantee positions to those who complete any of the courses of study.

In the curricula which follow are given the official title and number of the course, the descriptive title, the number of semester hours credit, and in parentheses the number of hours per week in class and laboratory, respectively.

SCHOOL OF AGRICULTURE

Organized under the School of Agriculture are nine curricula, including Agricultural Economics, Agricultural Engineering, Agronomy, Animal Husbandry, Botany, Dairying, Entomo-

logy, Horticulture, and Poultry. In general, the work of agricultural graduates may be classified in six rather broad fields: Farming, both general and specialized; agricultural extension service, including county agent work and extension specialists; research, especially work with the agricultural experiment stations; government regulatory work, such as plant inspection with the U. S. Bureau of Entomology and Plant Quarantine; teaching in college after appropriate graduate work is completed; and a host of occupations with commercial concerns, such as seed companies, meat packers, fertilizer companies, florists, canneries, agricultural implement concerns, etc. To illustrate the types of work in which graduates of each curriculum engage, a few of the many occupations of agricultural graduates are given below.

AGRICULTURE

Basic Curriculum

Required of all agricultural students except those in Agricultural Economics, Agricultural Engineering, Pre-Forestry, and Pre-Veterinary.

Freshman Year

First Semester			*Second Semester*		
A H 101 Types and Breeds	2	(2,0)	Agron 101 Farm Crops	3	(3,0)
A H 103 Types and Breeds Lab.	1	(0,3)	Chem 102 General Chemistry	4	(3,3)
Bot 101 General Botany	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Bot 103 Gen. Bot. Lab.	1	(0,3)	Math 102 Trigonometry	3	(3,0)
Chem 101 General Chemistry	4	(3,3)	Zool 101 General Zoology	3	(3,0)
Engl 101 Comp. and Lit.	3	(3,0)	Zool 103 Gen. Zool. Lab.	1	(0,3)
Math 101 College Algebra	3	(3,0)	M S 102 Military Drill	0	(0,3)
M S 101 Military Drill	0	(0,3)	M S 104 M. S. & T.—Basic	1	(2,0)
M S 103 M. S. & T.—Basic	1	(2,0)			
	18			18	

Sophomore Year

Ag Ec 201 Agric. Economics	3	(3,0)	Agron 202 Soils	3	(2,3)
Ag En 201 Farm Machinery	3	(2,3)	Chem 220 Organic Chemistry	4	(3,3)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Dairy 201 Dairying	3	(2,3)
For 205, 207 Farm Forestry	3	(2,3)	Engl 204 Survey of Engl. Lit.	3	(3,0)
or Geol 201 Agric. Geology	3	(3,0)	Phys 202 General Physics	3	(3,0)
Hort 201 Gen. Horticulture	3	(2,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
Phys 201 General Physics	3	(3,0)	M S 202 Military Drill	0	(0,3)
Phys 203 Gen. Phys. Lab.	1	(0,3)	M S 204 M. S. & T.—Basic	1	(2,0)
M S 201 Military Drill	0	(0,3)			
M S 203 M. S. & T.—Basic	1	(2,0)			
	20			18	

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

Training in Agricultural Economics and Rural Sociology prepares students wholly or in part for farming; managing farms; appraising land, marketing activities; supervising agricultural loan departments in private banks; directing farmer cooperatives such as the production credit and farm loan associations affiliated with the Farm Credit Administration; educational work as teachers or extension workers; public relations research and sales work for the manufacturers of agricultural implements, fertilizers, etc.; organizational and publicity work for farm organizations and cooperative associations; positions in state, county and local government service; research work in farm management, farm credit, taxation, marketing, farm population and rural life trends; farm planning work for the Soil Conservation Service; and for operating numerous enterprises where a knowledge of economic principles is an essential supplement to knowledge of the technical requirements of the business.

AGRICULTURAL ECONOMICS MAJOR

For freshman requirements see *Basic Agricultural Curriculum*

Sophomore Year

Ag Ec 201 Agric. Economics	3	(3,0)	Agron 202 Soils	3	(2,3)
Ag En 201 Farm Machinery	3	(2,3)	Math 104 Freshman Math	5	(5,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Dairy 201 Dairying	3	(2,3)
For 205, 207 Farm Forestry	3	(2,3)	Engl 204 Survey of Engl. Lit.	3	(3,0)
or Geol 201 Agric. Geology	3	(3,0)	Phys 202 General Physics	3	(3,0)
Hort 201 Gen. Horticulture	3	(2,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
Phys 201 General Physics	3	(3,0)	M S 202 Military Drill	0	(0,3)
Phys 203 Gen. Phys. Lab.	1	(0,3)	M S 204 M. S. & T.—Basic	1	(2,0)
M S 201 Military Drill	0	(0,3)			
M S 203 M. S. & T.—Basic	1	(2,0)			
	20			19	

Junior Year

Ag Ec 305 Farm Accounting	2	(1,3)	Ag Ec 302 Farm Management	4	(3,3)
Ag Ec 309 Marketing	3	(2,3)	Ag Ec 352 Public Finance	3	(3,0)
Engl 305 Expository Writing	3	(3,0)	or Ag Ec 356 Agri. Ind. Rel.	3	(3,0)
Hist 301 U. S. since 1865	3	(3,0)	Engl 301 Public Speaking	3	(3,0)
R S 301 Rural Sociology	3	(3,0)	P H 301 Farm Poultry	3	(3,0)
M S 301 Military Drill	0	(0,3)	P H 303 Farm Poul. Lab.	1	(0,3)
Approved Electives	5		M S 302 Military Drill	0	(0,3)
	19		Approved Electives	4	
				18	
Suggested Electives:					
Bact 301 Gen. Bacteriology	3	(3,0)	Suggested Electives:		
Bact 303 Gen. Bact. Lab.	1	(0,3)	Dairy 352 Advertising & Mktg.	3	(3,0)
M S M. S. & T.—Adv.	3	(4,0)	Ent 301 Elem. & Econ. Ent.	3	(2,3)
Y M 305 Cotton Marketing	1	(0,3)	M S M. S. & T.—Adv.	3	(4,0)

Senior Year

Ag Ec 401 Statistics	3	(2,3)	Ag Ec 406 Seminar	1	(1,0)
Ag Ec 405 Seminar	1	(1,0)	Ag Ec 452 Agric. Policy	3	(3,0)
Ag Ec 451 Econ. of Coop.	3	(3,0)	Ag Ec 456 Prices	3	(3,0)
or Ag Ec 455 Internat. Trade	3	(3,0)	or Ag Ec 460 Agric. Finance	3	(3,0)
Dairy 301 Genetics	3	(2,3)	Ag En 301 Soil Conservation	3	(2,3)
Psych 301 Gen. Psychology	3	(3,0)	Gov 301 Am. G. & Pol. Par.	3	(3,0)
M S 401 Military Drill	0	(0,3)	M S 402 Military Drill	0	(0,3)
Approved Electives	6		Approved Electives	6	
	19			19	
Suggested Electives:			Suggested Electives:		
Gov 43 Internat. Relat.	2	(2,0)	Econ 302 Money and Banking	3	(3,0)
M S M. S. & T.—Adv.	3	(4,0)	M S M. S. & T.—Adv.	3	(4,0)
R S 459 The Rural Community	3	(3,0)	Soc 402 The Family	3	(3,0)
Soc 301 Intro. Sociology	3	(3,0)			

AGRONOMY

Agronomy graduates have opportunities in general farming, soil conservation service, agricultural extension and experiment station work, and may also be found as plant breeders, soil analysts, and crop specialists. Other positions include work with commercial concerns such as fertilizer companies, seedsmen, and manufacturers of certain food products.

AGRONOMY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

Junior Year

Ag En 301 Soil Conservation	3	(2,3)	Agron 302 Genetics	3	(2,3)
Agron 301 Fertilizers	3	(3,0)	Agron 306 Forage Crops	3	(3,0)
Bact 301 Gen. Bacteriology	3	(3,0)	Bot 352 Plant Physiology	3	(3,0)
Bact 303 Gen. Bact. Lab.	1	(0,3)	Bot 354 Plant Physiol. Lab.	1	(0,3)
Engl 301 Public Speaking	3	(3,0)	P H 301 Farm Poultry	3	(3,0)
M S 301 Military Drill	0	(0,3)	P H 303 Farm Poul. Lab.	1	(0,3)
Approved Electives	6		M S 302 Military Drill	0	(0,3)
	19		Approved Elective	3	
				17	
Suggested Electives:			Suggested Electives:		
Ent 301 Elem. & Econ. Ent.	3	(2,3)	Ag Ec 302 Farm Management	4	(3,3)
M S M. S. & T.—Adv.	3	(4,0)	For 205 Farm Forestry	2	(2,0)
R S 301 Rural Sociology	3	(3,0)	For 207 Farm For. Lab.	1	(0,3)
			M S M. S. & T.—Adv.	3	(4,0)

Senior Year

Agron 401 Adv. Crop Lab.	1	(0,3)	Agron 452 Soil Management	2	(2,0)
Agron 405 Plant Breeding	3	(2,3)	Agron 454 Adv. Soil Lab.	1	(0,3)
Agron 409 Cotton & Tobacco	3	(3,0)	Agron 456 Seminar	1	(1,0)
Agron 451 Min. Nutr. Crops	2	(2,0)	Agron 458 Res. and Thesis	1	(0,3)
Agron 455 Seminar	1	(1,0)	A H 301 Feeds and Feeding	3	(3,0)
Agron 457 Res. and Thesis	1	(0,3)	Bact 410 Soil Microbiology	2	(2,0)
Bot 401 Plant Pathology	2	(2,0)	Bact 412 Soil Micro. Lab.	1	(0,3)
Bot 403 Plant Path. Lab.	1	(0,3)	Gov 301 Am. G. & Pol. Par.	3	(3,0)
Psych 301 Gen. Psychology	3	(3,0)	M S 402 Military Drill	0	(0,3)
M S 401 Military Drill	0	(0,3)	Approved Electives	6	
Approved Elective	3				
	20			20	
Suggested Electives:			Suggested Electives:		
Ag Ec 309 Marketing	3	(2,3)	Ag Ec 460 Agric. Finance	3	(3,0)
Ag Ec 401 Statistics	3	(2,3)	Bot 356 Taxonomy	1	(1,0)
M S M. S. & T.—Adv.	3	(4,0)	Bot 358 Taxonomy Lab.	2	(0,6)
			Bot 402 Economic Botany	2	(2,0)
			Bot 404 Econ. Bot. Lab.	1	(0,3)
			M S M. S. & T.—Adv.	3	(4,0)

ANIMAL HUSBANDRY

Occupations for Animal Husbandry graduates include livestock farming, cattle and swine breeding, extension livestock specialists, feed specialists, county agents, agricultural teachers, research work in animal industry, positions with meat packing companies, feed dealers, freezer locker operators, livestock dealers, and livestock commission brokers.

ANIMAL HUSBANDRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

Junior Year

Agron 301 Fertilizers	3 (3,0)	Ag Ec 302 Farm Management	4 (3,3)
A H 301 Feeds and Feeding	3 (3,0)	Agron 306 Forage Crops	3 (3,0)
A H 303 Feeding Lab.	1 (0,3)	A H 306 Judging	1 (0,3)
Dairy 301 Genetics	3 (2,3)	A H 310 Pork Production	2 (2,0)
Engl 301 Public Speaking	3 (3,0)	A H 312 Brds. of Livestock	2 (2,0)
M S 301 Military Drill	0 (0,3)	A H 314 Pork Prod. Lab.	1 (0,3)
Approved Electives	6	Gov 301 Am. G. & Pol. Par.	3 (3,0)
		M S 302 Military Drill	0 (0,3)
		Approved Elective	3
	19		19
Suggested Electives:		Suggested Electives:	
Ent 301 Elem. & Econ. Ent.	3 (2,3)	Ag Ec 460 Agric. Finance	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)	Ag En 301 Soil Conservation	3 (2,3)
R S 301 Rural Sociology	3 (3,0)	M S M. S. & T.—Adv.	3 (4,0)

Senior Year

A H 401 Beef Production	2 (2,0)	A H 402 Horse & Sheep Pr.	3 (3,0)
A H 403 Beef Prod. Lab.	1 (0,3)	A H 406 Seminar	2 (2,0)
A H 451 Advanced Feeds	2 (2,0)	A H 452 Animal Breeding	2 (2,0)
A H 455 Farm Meats	2 (0,6)	A H 454 Animal Breed. Lab.	1 (0,3)
Bact 301 Gen. Bacteriology	3 (3,0)	A H 456 Advanced Meats	1 (1,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	A H 458 Adv. Meats Lab.	1 (0,3)
Psych 301 Gen. Psychology	3 (3,0)	P H 301 Farm Poultry	3 (3,0)
M S 401 Military Drill	0 (0,3)	P H 303 Farm Poul. Lab.	1 (0,3)
Approved Electives	6	M S 402 Military Drill	0 (0,3)
		Approved Elective	4
	20		18
Suggested Electives:		Suggested Electives:	
Ag Ec 309 Marketing	3 (2,3)	Hort 464 Food Preservation	3 (2,3)
A H 405 Advanced Judging	1 (0,3)	M S M. S. & T.—Adv.	3 (4,0)
M S M. S. & T.—Adv.	3 (4,0)	V S 402 Animal Diseases	3 (2,3)
V S 401 Anat. & Physiology	3 (2,3)		

BOTANY

Opportunities in Botany include research work with the state and federal agencies as well as with private agencies such as manufacturers of foods and fibers, agricultural chemicals, fertilizers, weed control chemicals, and seedsmen. Occupations in the agricultural extension work, teaching of biological sciences, curators of herbaria, industrial sales and demonstration representatives for companies manufacturing fungicides and herbicides are also available. Plant pathologists also have opportunities in nursery, orchard and food inspection as well as pathologist-plant breeders with seed companies and other research agencies.

BOTANY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

Junior Year

Bact 301 Gen. Bacteriology	3	(3,0)	Agron 302 Genetics	3	(2,3)
Bact 303 Gen. Bact. Lab.	1	(0,3)	Bot 352 Plant Physiology	3	(3,0)
Bot 351 Plant Morphology	2	(2,0)	Bot 354 Plant Physiol. Lab.	1	(0,3)
Bot 353 Plant Morph. Lab.	2	(0,6)	Bot 356 Taxonomy	1	(1,0)
Bot 355 Histology	2	(0,6)	Bot 358 Taxonomy Lab.	2	(0,6)
Engl 301 Public Speaking	3	(3,0)	Ger 102 Beginner's German	3	(3,0)
Ger 101 Beginner's German	3	(3,0)	Gov 301 Am. G. & Pol. Par.	3	(3,0)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
Approved Elective	3		Approved Elective	3	
	19			19	
Suggested Electives:			Suggested Electives:		
Econ 312 Commercial Law	3	(3.0)	Ent 302 General Entomology	3	(2,3)
Hort 301 Prin. Veg. Prod.	3	(2,3)	For 205 Farm Forestry	2	(2,0)
M S M. S. & T.—Adv.	3	(4,0)	For 207 Farm For. Lab.	1	(0,3)
			M S M. S. & T.—Adv.	3	(4,0)

Senior Year

Bot 401 Plant Pathology	2	(2,0)	Bot 402 Economic Botany	2	(2,0)
Bot 403 Plant Path. Lab.	1	(0,3)	Bot 404 Econ. Bot. Lab.	1	(0,3)
Bot 405 Seminar & Thesis	2	(1,3)	Bot 406 Seminar & Thesis	2	(1,3)
Bot 451 Morph. of Fungi	2	(2,0)	Bot 452 Ecology	2	(2,0)
Bot 453 Morph. Fungi Lab.	1	(0,3)	Bot 454 Ecology Lab.	2	(0,6)
Ent 301 Elem. & Econ. Ent.	3	(2,3)	P H 301 Farm Poultry	3	(3,0)
Psych 301 Gen. Psychology	3	(3,0)	P H 303 Farm Poul. Lab.	1	(0,3)
M S 401 Military Drill	0	(0,3)	M S 402 Military Drill	0	(0,3)
Approved Electives	6		Approved Electives	5	
	20			18	
Suggested Electives:			Suggested Electives:		
Ag Ec 401 Statistics	3	(2,3)	Agron 452 Soil Management	2	(2,0)
Agron 405 Plant Breeding	3	(2,3)	Agron 454 Adv. Soil Lab.	1	(0,3)
Agron 451 Min. Nutr. Crops	2	(2,0)	Bact 410 Soil Microbiology	2	(2,0)
M S M. S. & T.—Adv.	3	(4,0)	Bact 412 Soil Micro. Lab.	1	(0,3)
			Hort 456 Truck Crops	3	(2,3)
			M S M. S. & T.—Adv.	3	(4,0)

DAIRYING

Opportunities in Dairying include dairy farming, dairy plant management, dairy herdsmen for large breeding companies, ice cream manufacturing, laboratory and technical work in dairy plants, milk inspection work, dairy extension specialist, research work with state, federal and commercial organizations, as well as many positions with milk products laboratories and production plants.

DAIRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

Junior Year

Bact 301 Gen. Bacteriology	3	(3,0)	A H 301 Feeds and Feeding	3	(3,0)
Bact 303 Gen. Bact. Lab.	1	(0,3)	*Dairy 306 Market Milk	3	(3,0)
Dairy 301 Genetics	3	(2,3)	Engl 301 Public Speaking	3	(3,0)
Dairy 302 Dairy Technology	3	(2,3)	P H 301 Farm Poultry	3	(3,0)
Dairy 305 Judging	1	(0,3)	P H 303 Farm Poultry Lab.	1	(0,3)
Dairy 309 Animal Nutrition	3	(3,0)	M S 302 Military Drill	0	(0,3)
M S 301 Military Drill	0	(0,3)	Approved Electives	6	
Approved Electives	5				
	19			19	
Suggested Electives:			Suggested Electives:		
Ag Ec 401 Statistics	3	(2,3)	A H 310 Pork Production	2	(2,0)
Ent 301 Elem. & Econ. Ent.	3	(2,3)	A H 314 Pork Prod. Lab.	1	(0,3)
M S M. S. & T.—Adv.	3	(4,0)	*Dairy 352 Advertising & Mktg.	3	(3,0)
V S 401 Anat. & Physiology	3	(2,3)	Dairy 354 Endocrinology	3	(3,0)
Zool 301 Adv. Zoology	3	(2,3)	M S M. S. & T.—Adv.	3	(4,0)
			Zool 301 Embryology	3	(2,3)

Senior Year

Agron 301 Fertilizers	3	(3,0)	Dairy 402 Dairy Manufactures	4	(2,6)
Bact 402 Dairy Bacteriology	2	(2,0)	Dairy 405 Breeding	3	(2,3)
Bact 404 Dairy Bact. Lab.	1	(0,3)	Dairy 410 Seminar	2	(2,0)
Dairy 401 Dairy Manufactures	3	(2,3)	Dairy 452 Feeding & Mgt.	3	(2,3)
Dairy 409 Seminar	2	(2,0)	Psych 301 Gen. Psychology	3	(3,0)
Gov 301 Am. G. & Pol. Par.	3	(3,0)	M S 402 Military Drill	0	(0,3)
M S 401 Military Drill	0	(0,3)	Approved Elective	3	
Approved Electives	6				
	20			18	
Suggested Electives:			Suggested Electives:		
Agron 306 Forage Crops	3	(3,0)	Ag Ec 302 Farm Management	4	(3,3)
Econ 312 Commercial Law	3	(3,0)	Ag Ec 460 Agric. Finance	3	(3,0)
Econ 401 Accounting	3	(3,0)	*Dairy 352 Advertising & Mktg.	3	(3,0)
Engl 305 Expository Writing	3	(3,0)	M S M. S. & T.—Adv.	3	(4,0)
M S M. S. & T.—Adv.	3	(4,0)	V S 402 Animal Diseases	3	(2,3)

*Dairy 306 and 352 are given in alternate years.

ENTOMOLOGY

Many Entomology graduates normally enter federal service with the U. S. Bureau of Entomology and Plant Quarantine as research men or as inspectors. Others enter responsible positions in teaching, research and extension staffs of the several State Colleges and Universities. Insecticide manufacturing concerns also attract many Entomology graduates. Beekeeping is also one phase of entomological work.

ENTOMOLOGY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

Junior Year

Bact 301 Gen. Bacteriology	3 (3,0)	Agron 302 Genetics	3 (2,3)
Bact 303 Gen. Bact. Lab.	1 (0,3)	Bot 352 Plant Physiology	3 (3,0)
Engl 301 Public Speaking	3 (3,0)	Bot 354 Plant Physiol. Lab.	1 (0,3)
Ent 301 Elem. & Econ. Ent.	3 (2,3)	Ent 302 General Entomology	3 (2,3)
Ger 101 Beginner's German	3 (3,0)	P H 301 Farm Poultry	3 (3,0)
Zool 301 Advanced Zoology	3 (2,3)	P H 303 Farm Poul. Lab.	1 (0,3)
M S 301 Military Drill	0 (0,3)	Zool 306 Game Management	2 (2,0)
Approved Elective	3	M S 302 Military Drill	0 (0,3)
		Approved Elective	3
	19		19
Suggested Electives:		Suggested Electives:	
Hort 305 Plant Propagation	3 (2,3)	For 205 Farm Forestry	2 (2,0)
M S M. S. & T.—Adv.	3 (4,0)	For 207 Farm For. Lab.	1 (0,3)
R S 301 Rural Sociology	3 (3,0)	Ger 102 Beginner's German	3 (3,0)
		M S M. S. & T.—Adv.	3 (4,0)
		Zool 302 Embryology	3 (2,3)

Senior Year

Bot 401 Plant Pathology	2 (2,0)	Ent 402 Econ. Entomology	3 (2,3)
Bot 403 Plant Path. Lab.	1 (0,3)	Ent 406 Beekeeping	3 (2,3)
Ent 401 Econ. Entomology	3 (2,3)	Ent 452 Taxonomic Ent.	2 (1,3)
Ent 405 Insect Morphology	3 (2,3)	Ent 456 Parasitology	3 (2,3)
Ent 451 Intro. to Research	2 (1,3)	Ent 460 Seminar	2 (2,0)
Psych 301 Gen. Psychology	3 (3,0)	Gov 301 Am. G. & Pol. Par.	3 (3,0)
M S 401 Military Drill	0 (0,3)	M S 402 Military Drill	0 (0,3)
Approved Electives	6	Approved Elective	2
	20		18
Suggested Electives:		Suggested Electives:	
Ag Ec 401 Statistics	3 (2,3)	Bot 356 Taxonomy	1 (1,0)
Bot 451 Morph. of Fungi	2 (2,0)	Bot 358 Taxonomy Lab.	2 (0,6)
Bot 453 Morph. Fungi Lab.	1 (0,3)	Econ 312 Commercial Law	3 (3,0)
M S M. S. & T.—Adv.	3 (4,0)	M S M. S. & T.—Adv.	3 (4,0)
Soc 301 Intro. Sociology	3 (3,0)		

HORTICULTURE

Opportunities in Horticulture include vegetable and fruit farm management, nursery management, landscape gardening, fresh fruit and vegetable and food products inspection, plant breeding, agricultural extension service, experiment station research, and food canning, freezing and dehydration. Other occupations include work with florists, seedsmen, fruit products companies, fertilizer companies, fungicide and insecticide manufacturers and dealers, and spraying and dusting equipment manufacturers and dealers.

HORTICULTURE MAJOR

For additional requirements see *Basic Agricultural Curriculum*

Junior Year

Agron 301 Fertilizers	3	(3,0)
Bact 301 Gen. Bacteriology	3	(3,0)
Bact 303 Gen. Bact. Lab.	1	(0,3)
Ent 301 Elem. & Econ. Ent.	3	(2,3)
Hort 301 Prin. Veg. Prod.	3	(2,3)
Hort 305 Plant Propagation	3	(2,3)
M S 301 Military Drill	0	(0,3)
Approved Elective	3	
	19	

Suggested Electives:

M S M. S. & T.—Adv.	3	(4,0)
R S 301 Rural Sociology	3	(3,0)

Agron 302 Genetics	3	(2,3)
Bot 352 Plant Physiology	3	(3,0)
Bot 354 Plant Physiol. Lab.	1	(0,3)
Engl 301 Public Speaking	3	(3,0)
Gov 301 Am. G. & Pol. Par.	3	(3,0)
Hort 306 Landscape Design	2	(2,0)
Hort 308 Land. Des. Lab.	1	(0,3)
M S 302 Military Drill	0	(0,3)
Approved Elective	3	
	19	

Suggested Electives:

Ag Ec 302 Farm Management	4	(3,3)
Bot 356 Taxonomy	1	(1,0)
Bot 358 Taxonomy Lab.	2	(0,6)
M S M. S. & T.—Adv.	3	(4,0)

Senior Year

Ag Ec 309 Marketing	3	(2,3)
Bot 401 Plant Pathology	2	(2,0)
Bot 403 Plant Path. Lab.	1	(0,3)
Hort 409 Seminar	1	(1,0)
Hort 451 Syst. Pomology	3	(2,3)
Hort 455 Breeding H. Crops	3	(2,3)
or Hort 405 Nut Culture	3	(2,3)
Psych 301 Gen. Psychology	3	(3,0)
M S 401 Military Drill	0	(0,3)
Approved Elective	2	
	18	

Suggested Electives:

Hort 401 Landscape Design	2	(2,0)
Hort 403 Landsc. Des. Lab.	1	(0,3)
Hort 415 Floriculture	3	(2,3)
M S M. S. & T.—Adv.	3	(4,0)

Hort 410 Seminar	1	(1,0)
Hort 452 Commrcl. Pomology	3	(2,3)
or Hort 402 Garden Design	2	(2,0)
Hort 404 Garden Des. Lab.	1	(0,3)
Hort 456 Truck Crops	3	(2,3)
or Hort 460 Landscape Dsgn.	3	(2,3)
Hort 464 Food Preservation	3	(2,3)
P H 301 Farm Poultry	3	(3,0)
P H 303 Farm Poul. Lab.	1	(0,3)
M S 402 Military Drill	0	(0,3)
Approved Electives	6	
	20	

Suggested Electives:

Ag En 301 Soil Conservation	3	(2,3)
Ent 406 Beekeeping	3	(2,3)
M S M. S. & T.—Adv.	3	(4,0)

POULTRY

Graduates in Poultry Husbandry major have opportunities as poultry farm operators, hatchery managers, sales and servicemen with feed manufacturers and poultry equipment concerns, poultry research workers and extension agents.

POULTRY MAJOR

For additional requirements see *Basic Agricultural Curriculum*

Junior Year

A H 301 Feeds and Feeding	3	(3,0)
A H 303 Feeding Lab.	1	(0,3)
Dairy 301 Genetics	3	(2,3)
R S 301 Rural Sociology	3	(3,0)
V S 401 Anat. & Physiology	3	(2,3)
M S 301 Military Drill	0	(0,3)
Approved Electives	6	
	19	

Suggested Electives:

Ent 301 Elem. & Econ. Ent.	3	(2,3)
M S M. S. & T.—Adv.	3	(4,0)
Zool 301 Advanced Zoology	3	(2,3)

Ag Ec 302 Farm Management	4	(3,3)
Bact 301 Gen. Bacteriology	3	(3,0)
Bact 303 Gen. Bact. Lab.	1	(0,3)
Engl 301 Public Speaking	3	(3,0)
P H 301 Farm Poultry	3	(3,0)
P H 303 Farm Poul. Lab.	1	(0,3)
M S 302 Military Drill	0	(0,3)
Approved Elective	3	
	18	

Suggested Electives:

Agron 306 Forage Crops	3	(3,0)
M S M. S. & T.—Adv.	3	(4,0)
Zool 302 Embryology	3	(2,3)
Zool 306 Game Management	2	(2,0)

Senior Year

P H 451 Poultry Breeding	3	(2,3)
P H 455 Grading & Process.	3	(2,3)
P H 459 Dis. & Parasites	3	(2,3)
Psych 301 Gen. Psychology	3	(3,0)
M S 401 Military Drill	0	(0,3)
Approved Electives	7	
	19	

Suggested Electives:

Ag Ec 309 Marketing	3	(2,3)
Ag Ec 401 Statistics	3	(2,3)
Dairy 309 Nutrition	3	(3,0)
M S M. S. & T.—Adv.	3	(4,0)

Gov 301 Am. G. & Pol. Par.	3	(3,0)
Hort 464 Food Preservation	3	(2,3)
P H 452 Feed. & Flock Mgt.	3	(2,3)
P H 456 Incubat. & Brood.	3	(2,3)
P H 460 Seminar	2	(2,0)
M S 402 Military Drill	0	(0,3)
Approved Electives	6	
	20	

Suggested Electives:

Ent 406 Beekeeping	3	(2,3)
M S M. S. & T.—Adv.	3	(4,0)

AGRICULTURAL ENGINEERING

Opportunities in Agricultural Engineering include mechanized farming; research with state, federal, and private agencies; sales, service, advertising and design of farm equipment and materials; agricultural extension service with state and federal agencies; employment in the fields of soil conservation, land drainage and reclamation, and irrigation; rural electrification work with power companies, manufacturers of electrical equipment and the Rural Electrification Administration of the United States Department of Agriculture; and private business such as farming, operating machinery dealerships and related lines of business.

AGRICULTURAL ENGINEERING

Freshman Year

First Semester

Chem 101 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)
In En 101 Metal Processes	2	(0,6)
Math 103 Freshman Math	5	(5,0)
M S 101 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)
	17	

Second Semester

Chem 102 General Chemistry	4	(3,3)
C E 101 Intro. Surveying	2	(1,3)
D D 106 Engr. Drawing	2	(0,6)
Engl 102 Comp. and Lit.	3	(3,0)
Math 104 Freshman Math.	5	(5,0)
M S 102 Military Drill	0	(0,3)
M S 104 M. S. & T.—Basic	1	(2,0)
	17	

Sophomore Year

Ag En 203 Ag. Engr. Problems	2	(1,3)
Ag En 207 Farm Mechanics	2	(1,3)
A H 101 Types and Breeds	2	(2,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)
Phys 211 G. Phys. for Engr.	4	(4,0)
Phys 213 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)
	20	

Ag En 202 Farm Equipment	3	(2,3)
Agron 101 Farm Crops	3	(3,0)
Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 204 Integral Calculus	5	(5,0)
Phys 212 G. Phys. for Engr.	4	(4,0)
Phys 214 Gen. Phys. Lab.	1	(0,3)
M S 202 Military Drill	0	(0,3)
M S 204 M. S. & T.—Basic	1	(2,0)
	20	

Junior Year

Ag En 351 Farm Tractors	3	(2,3)
Agron 202 Soils	3	(2,3)
E E 303 Elec. Cir. & Machines	4	(3,3)
M E 305 Heat Power	3	(3,0)
M E 307 Heat Power Lab.	1	(0,3)
Mech 302 Statics	3	(3,0)
M S 301 Military Drill	0	(0,3)
Approved Elective	3	
	20	

Suggested Electives:

Arch 215 Building Materials	2	(2,0)
C E 203 Topog. Survey & Map	1	(0,3)
C E 319 Photogrammetry	3	(2,3)
D D 305 Kinematics of Mach.	2	(1,3)
Mech 303 Kinetics	3	(3,0)

Ag En 304 Rur. Electrif.	3	(2,3)
Bot 101 General Botany	3	(3,0)
Bot 103 Gen. Bot. Lab.	1	(0,3)
Gov 301 Am. G. & Pol. Par.	3	(3,0)
In En 201 Metal Processes	2	(0,6)
In En 302 Welding	2	(1,3)
Mech 304 Mech. of Matr.	3	(3,0)
M S 302 Military Drill	0	(0,3)
Approved Elective	3	
	20	

Suggested Electives:

Ag Ec 302 Farm Management	4	(3,3)
Agron 306 Forage Crops	3	(3,0)
Arch 216 Building Design	2	(2,0)
D D 306 Machine Design	2	(1,3)
M E 306 Heat Power	3	(3,0)

Senior Year

Ag En 401 Soil & Wat. Con. En.	3	(2,3)
Ag En 409 Seminar	1	(1,0)
Ag En 451 Farm Structures	3	(2,3)
Hist 301 U. S. since 1865	3	(3,0)
Mech 401 Fluid Mechanics	3	(3,0)
Mech 403 Fluid Mech. Lab.	1	(0,3)
M S 401 Military Drill	0	(0,3)
Approved Elective	3	
	17	

Suggested Electives:

Ag Ec 401 Statistics	3	(2,3)
In En 402 Metallurgy	3	(3,0)
Mech 464 Flow in Open Channels	2, 3	(2,3,0)

Ag En 402 Drain. & Irrig.	3	(2,3)
Ag En 406 Adv. Farm Mach.	3	(2,3)
Ag En 410 Seminar	1	(1,0)
Ag En 452 Adv. Farm Struct.	3	(2,3)
Engl 301 Public Speaking	3	(3,0)
Hort 464 Food Preservation	3	(2,3)
M S 402 Military Drill	0	(0,3)
Approved Elective	3	
	19	

Suggested Electives:

Hort 452 Commercial Pomology	3	(2,3)
M E 414 Heat Power Lab.	2	(0,6)
Mech 460 Hydrology	3	(3,0)

PRE-FORESTRY

Students completing the two-year Pre-Forestry program at Clemson are qualified to transfer to any of the major forestry institutions in the country. Opportunities exist for work on national forests, state forests, and large private timber lands in technical administrative capacity. Men with training in forest products are also in demand in pulp and paper mills and laboratories and in the mills and developmental laboratories of the larger lumber, plywood and furniture companies in this region and throughout the country.

PRE-FORESTRY

Freshman Year

First Semester

Bot 101 General Botany	3	(3,0)
Bot 103 Gen. Bot. Lab.	1	(0,3)
Chem 101 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)
Math 101 College Algebra	3	(3,0)
M S 101 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)
	17	

Second Semester

Chem 102 General Chemistry	4	(3,3)
C E 101 Intro. Surveying	2	(1,3)
D D 106 Engr. Drawing	2	(0,6)
Engl 102 Comp. and Lit.	3	(3,0)
Math 102 Trigonometry	3	(3,0)
Zool 101 General Zoology	3	(3,0)
Zool 103 Gen. Zool. Lab.	1	(0,3)
M S 102 Military Drill	0	(0,3)
M S 104 M. S. & T.—Basic	1	(2,0)
	19	

Sophomore Year

C E 201 Surveying	2 (2,0)	C E 202 Surveying	2 (2,0)
C E 203 Topog. Survey. & Map.	1 (0,3)	Econ 201 Prin. of Economics	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)	Engl 204 Survey of Engl. Lit.	3 (3,0)
For 201 General Forestry	2 (2,0)	For 202 Dendrology	3 (3,0)
For 203 Gen. For. Lab.	1 (0,3)	For 204 Dendrology Lab.	1 (0,3)
Geol 201 Agric. Geology	3 (3,0)	Phys 202 General Physics	3 (3,0)
Phys 201 General Physics	3 (3,0)	Phys 204 Gen. Phys. Lab.	1 (0,3)
Phys 203 Gen. Phys. Lab.	1 (0,3)	M S 202 Military Drill	0 (0,3)
M S 201 Military Drill	0 (0,3)	M S 204 M. S. & T.—Basic	1 (2,0)
M S 203 M. S. & T.—Basic	1 (2,0)		
	17		17

PRE-VETERINARY MEDICINE

The curriculum in Pre-Veterinary Medicine is designed to meet the general requirements of certain Schools of Veterinary Medicine. Since the requirements for entrance to these schools are not uniform, the student should consider the specific requirements of the school he expects to attend in choosing elective courses.

PRE-VETERINARY

Freshman Year

First Semester		*Second Semester*	
AH 101 Types and Breeds	2 (2,0)	Chem 102 General Chemistry	4 (3,3)
AH 103 Types and Breeds Lab.	1 (0,3)	Engl 102 Comp. and Lit.	3 (3,0)
Bot 101 General Botany	3 (3,0)	Hist 101 American History	3 (3,0)
Bot 103 Gen. Bot. Lab.	1 (0,3)	Math 102 Trigonometry	3 (3,0)
Chem 101 General Chemistry	4 (3,3)	Zool 101 General Zoology	3 (3,0)
Engl 101 Comp. and Lit.	3 (3,0)	Zool 103 Gen. Zool. Lab.	1 (0,3)
Math 101 College Algebra	3 (3,0)	MS 102 Military Drill	0 (0,3)
MS 101 Military Drill	0 (0,3)	MS 104 M. S. & T.—Basic	1 (2,0)
MS 103 M. S. & T.—Basic	1 (2,0)		
	18		18

Sophomore Year

Ag Ec 201 Agric. Economics	3 (3,0)	AH 301 Feeds and Feeding	3 (3,0)
Bot 401 Plant Pathology	2 (2,0)	Engl 204 Survey of Engl. Lit.	3 (3,0)
Bot 403 Plant Path. Lab.	1 (0,3)	*Modern Language	3 (3,0)
Chem 220 Organic Chemistry	4 (3,3)	PH 301 Farm Poultry	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)	PH 303 Farm Poultry Lab.	1 (0,3)
*Modern Language	3 (3,0)	Phys 201 General Physics	3 (3,0)
Zool 301 Adv. Zoology	3 (2,3)	Phys 203 Gen. Phys. Lab.	1 (0,3)
MS 201 Military Drill	0 (0,3)	MS 202 Military Drill	0 (0,3)
MS 203 M. S. & T.—Basic	1 (2,0)	MS 204 M. S. & T.—Basic	1 (2,0)
	20		18

*Students may take a correspondence course in Medical Vocabulary, 3 credits, offered at Alabama Polytechnic Institute, in lieu of Modern Language. If the course in Medical Vocabulary is selected in lieu of Modern Language for the first semester of the sophomore year, the student will take three semester credit hours of electives in lieu of Modern Language in the second semester.

Suggested Electives:		Suggested Electives:	
AH 312 Brds. of Livestock	2 (2,0)	Dairy 201 Dairying	3 (2,3)
Bact 301 Gen. Bacteriology	3 (3,0)	Gov 301 Am. G. & Pol. Par.	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)		

SCHOOL OF ARTS AND SCIENCES

In addition to acting as a service school to all other schools of the College in furnishing the training in the humanities and the social and physical sciences which is essential to the general education of students, the School of Arts and Sciences offers three curricula:

1. The curriculum in Arts and Sciences, leading to the degree of Bachelor of Science in Arts and Sciences.
2. The curriculum in Pre-Medicine, leading to the degree of Bachelor of Science in Pre-Medicine.
3. The curriculum in Industrial Physics, leading to the degree of Bachelor of Science in Industrial Physics.

Students majoring in the School of Arts and Sciences should secure from the Dean of the School of Arts and Sciences the *Handbook for Students Majoring in the School of Arts and Sciences,* the purpose of which is to provide information to students about possible fields of study, guidance in choosing an appropriate field of concentration, a list of approved electives, and additional information about the requirements for graduation in this school.

ARTS AND SCIENCES

The curriculum in Arts and Sciences is planned to meet the needs of those students who desire a broad, general education as a preparation for intelligent citizenship and for vocational efficiency. The first two years are spent in introductory work in various fields, in order to give the student breadth of view and to enable him to take a more intelligent part in his own education. During the last two years the student concentrates in selected fields.

ARTS AND SCIENCES

Freshman Year

First Semester			*Second Semester*		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
Engl 101 Comp. and Lit.	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Hist 101 American History	3	(3,0)	Hist 102 American History	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
Modern Language	3	(3,0)	Modern Language	3	(3,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	19			19	

Sophomore Year

*Bot 101 General Botany	3	(3,0)	
*Bot 103 Gen. Bot. Lab.	1	(0,3)	
Engl 203 Survey of Engl. Lit.	3	(3,0)	
*Math 203 Diff. Calculus	5	(5,0)	
Modern Language	3	(3,0)	
Phys 201 General Physics	3	(3,0)	
Phys 203 Gen. Phys. Lab.	1	(0,3)	
M S 201 Military Drill	0	(0,3)	
M S 203 M. S. & T.—Basic	1	(2,0)	
Approved Electives	2 - 3		
	18		
Engl 204 Survey of Engl. Lit.	3	(3,0)	
*Math 204 Integral Calculus	5	(5,0)	
Modern Language	3	(3,0)	
Phys 202 General Physics	3	(3,0)	
Phys 204 Gen. Phys. Lab.	1	(0,3)	
*Zool 101 General Zoology	3	(3,0)	
*Zool 103 Gen. Zool. Lab.	1	(0,3)	
M S 202 Military Drill	0	(0,3)	
M S 204 M. S. & T.—Basic	1	(2,0)	
Approved Electives	2 - 3		
	18		

*Students who elect Chemistry, Mathematics, or Physics for one of their fields of concentration shall take Mathematics 203 and 204 and may elect Physics 211, 213 and 212, 214 instead of Physics 201, 203 and 202, 204 during their sophomore year, postponing until their junior year Botany and Zoology, which are required for graduation.

Junior Year

Engl 301 Public Speaking	3	(3,0)	
M S 301 Military Drill	0	(0,3)	
Approved Electives	16		
	19		
M S 302 Military Drill	0	(0,3)	
Approved Electives	19		
	19		

Senior Year

M S 401 Military Drill	0	(0,3)	
Approved Electives	19		
	19		
M S 402 Military Drill	0	(0,3)	
Approved Electives	19		
	19		

SUPPLEMENTARY REQUIREMENTS

(1) Before the registration date beginning his Junior year, the student shall select two of the fields of study in the curriculum in Arts and Sciences as fields of concentration. These may be selected from Economics and Sociology, English, Government and History, Mathematics, Physics, Modern Languages, Biological Sciences, and Chemistry.

(2) A minimum of twenty-four hours shall be taken in the primary field of concentration and fifteen hours in the secondary field. This work shall be on the Junior-Senior level except that Mathematics 203 and 204 may be used as part fulfillment of this requirement by a student whose field of concentration is Mathematics.

(3) Besides the courses in the primary and secondary fields of concentration, a minimum of 12 additional approved elective hours shall be taken in courses of Junior-Senior level.

(4) The remainder of the elective work may be taken from the list of approved electives.

(5) Students majoring in Arts and Sciences who desire to teach in the public schools may fulfill the requirements for the secondary field of concentration by taking the eighteen hours of Education required by the State Board of Education.

(6) For graduation in Arts and Sciences at least the second year of one foreign language must be completed in college.

(7) The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military in this total.

For lists of subjects in fields of concentration, for list of approved electives, and for further information the student should consult the *Handbook for Students Majoring in the School of Arts and Sciences.*

INDUSTRIAL PHYSICS

The curriculum in Industrial Physics is intended to give a thorough knowledge of the fundamental principles of physics to students who plan to enter industrial laboratories. This course combines sound theoretical training and extensive laboratory practices in the various branches of physics with considerable work in one related field such as Chemistry or Electrical Engineering. The student is encouraged to take at least two advanced mathematics courses and other technical courses may be taken as electives if desired. On completing this curriculum the student should be prepared to enter research in an industrial or government laboratory.

The freshman year of this curriculum is practically identical with that for engineering students and the sophomore year is also quite similar; therefore a student may postpone deciding which course to take until his junior year. For further information about this curriculum consult the *Handbook for Students Majoring in the School of Arts and Sciences.*

INDUSTRIAL PHYSICS

Freshman Year

First Semester			*Second Semester*		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)	C E 101 Intro. Surveying	2	(1,3)
Engl 101 Comp. and Lit.	3	(3,0)	or Gov 101 Amer. Nat'l. Gov't.	3	(3,0)
In En 101 Metal Processes	2	(0,6)	D D 106 Engr. Drawing	2	(0,6)
Math 103 Freshman Math.	5	(5,0)	Engl 102 Comp. and Lit.	3	(3,0)
M S 101 Military Drill	0	(0,3)	Math 104 Freshman Math.	5	(5,0)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 102 Military Drill	0	(0,3)
			M S 104 M. S. & T.—Basic	1	(2,0)
	17			17 or 18	

Sophomore Year

In En 201 Metal Processes	2	(0,6)	Approved Electives	4	
or Chem 215 Qual. Analysis	4	(2,6)	or Chem 216 Quan. Analysis	4	(2,6)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)	Math 204 Integral Calculus	5	(5,0)
Phys 211 G. Phys. for Engr.	4	(4,0)	Phys 212 G. Phys. for Engr.	4	(4,0)
Phys 213 Gen. Phys. Lab.	1	(0,3)	Phys 214 Gen. Phys. Lab.	1	(0,3)
or Phys 201 General Physics	3	(3,0)	or Phys 202 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
Approved Electives	0 - 3				
	18			18 or 17	

Junior Year

E E 307 D. C. Circ. & Mach.	4	(3,3)	E E 308 A. C. Circ. & Mach.	4	(3,3)
or Chem 221 Elem. Org. Chem.	5	(3,6)	or Chem 222 Elem. Org. Chem.	5	(3,6)
Hist 301 U. S. since 1865	3	(3,0)	Engl 301 Public Speaking	3	(3,0)
Phys 301 Int. to Mod. Phys.	3	(3,0)	Phys 304 Descript. Astronomy	3	(3,0)
Phys 303 Exp. in Mod. Phys.	1	(0,3)	or Phys 308 Sound & Acoustics	3	(3,0)
Phys 321 Mech. & Prop. Mat.	4	(4,0)	Phys 312 Heat & Kinetic Th.	4	(4,0)
Phys 323 Experimental Mech.	1	(0,3)	Phys 314 Experimental Heat	1	(0,3)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
Approved Electives	3 - 4		Approved Electives	4 - 5	
	20			20	

Senior Year

E E 320 Electronics	4	(3,3)	E E (as approved)	4	
or Chem 331 & 333 Phys. Chem	5	(3,6)	or Chem 332 & 334 Phys. Chem.	5	(3,6)
Phys 441 Magnetism & Elec.	4	(4,0)	Phys 432 Light	4	(4,0)
Phys 443 Experimental Elec.	1	(0,3)	Phys 434 Experimental Light	1	(0,3)
M S 401 Military Drill	0	(0,3)	Phys 452 Atom. & Nucl. Phys.	3	(3,0)
Approved Electives	10 - 11		MS 402 Military Drill	0	(0,3)
			Approved Electives	7 - 8	
	20			20	

PRE-MEDICINE

The curriculum in Pre-Medicine is designed to meet the general entrance requirements of standard medical colleges. Since, however, requirements for entrance to various medical schools are not uniform, the student before choosing his electives should consult the specific requirements of the medical college of his preference.

Those preparing for the study of medicine are advised to complete four years of undergraduate work before entering a medical school. Clemson College, however, will award the degree of Bachelor of Science in Pre-Medicine to a student who, after completing all requirements of the first three years of the Pre-Medical course, is graduated from a medical college approved by the American Medical Association. Requirements of the first three years would be three-fourths of the number of hours required for graduation, including required courses for the first three years.

The total number of hours required for graduation is 150. Students enrolled in the advanced ROTC program may use 12 semester hours of advanced military courses in this total.

PRE-MEDICINE

Freshman Year

First Semester			*Second Semester*		
Chem 103 General Chemistry	4	(3,3)	Chem 104 General Chemistry	4	(3,3)
Engl 101 Comp. and Lit.	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Fr 101 Beginner's French	3	(3,0)	Fr 102 Beginner's French	3	(3,0)
or Ger 101 Beginner's Ger.	3	(3,0)	or Ger 102 Beginner's Ger.	3	(3,0)
Hist 101 American History	3	(3,0)	Hist 102 American History	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	19			19	

Sophomore Year

Chem 211 Qual. Analysis	3	(1,6)	Bot 101 General Botany	3	(3,0)
D D 101 Freehand Drawing	1	(0,3)	Bot 103 Gen. Bot. Lab.	1	(0,3)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Chem 212 Quan. Analysis	3	(1,6)
Fr 201 Intermediate French	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
or Ger 201 Intermediate Ger.	3	(3,0)	Fr 202 Intermediate French	3	(3,0)
Phys 201 General Physics	3	(3,0)	or Ger 202 Intermediate Ger.	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Phys 202 General Physics	3	(3,0)
Zool 101 General Zoology	3	(3,0)	Phys 204 Gen. Phys. Lab.	1	(0,3)
Zool 103 Gen. Zool. Lab.	1	(0,3)	M S 202 Military Drill	0	(0,3)
M S 201 Military Drill	0	(0,3)	M S 204 M. S. & T.—Basic	1	(2,0)
M S 203 M. S. & T.—Basic	1	(2,0)			
	19			18	

Junior Year

Chem 221 Elem. Org. Chem.	5	(3,6)	Chem 222 Elem. Org. Chem.	5	(3,6)
Econ 201 Prin. of Economics	3	(3,0)	Econ 202 Prin. of Economics	3	(3,0)
Engl 301 Public Speaking	3	(3,0)	M S 302 Military Drill	0	(0,3)
M S 301 Military Drill	0	(0,3)	Approved Electives	11	
Approved Electives	8				
	19			19	

Senior Year

Bact 301 Gen. Bacteriology	3	(3,0)	Hist 304 Hist. of Civ.	3	(3,0)
Bact 303 Gen. Bact. Lab.	1	(0,3)	Psych 302 Social Psychology	3	(3,0)
Hist 303 Hist. of Civ.	3	(3,0)	Soc 301 Intro. Sociology	3	(3,0)
Psych 301 Gen. Psychology	3	(3,0)	Zool 302 Embryology	3	(2,3)
Zool 301 Advanced Zoology	3	(2,3)	M S 402 Military Drill	0	(0,3)
M S 401 Military Drill	0	(0,3)	Approved Electives	6	
Approved Electives	6				
	19			18	

SCHOOL OF CHEMISTRY

CHEMISTRY

The Chemistry curriculum is designed to give the student a thorough knowledge of the fundamental principles of chemistry. The course is so arranged that each student takes approximately the same number of hours of work in each of the four fundamental branches of chemistry,—Inorganic, Analytical, Organic and Physical. Additional work may be scheduled in any of these fields in which the student is particularly interested. The number of allowable elective credits is great enough to enable the student to take work in related fields such as engineering, textile chemistry, physics, bacteriology, etc. Graduates of the Chemistry curriculum are prepared for employment in any of the chemical industries in laboratory, plant control or sales work, as well as in Government Laboratories or State Experiment Stations. Many of our graduates go to other institutions for graduate work and the number of our Chemistry graduates who have obtained graduate degrees is impressive. These men are well distributed through industry and research institutions.

CHEMISTRY

Freshman Year

First Semester			*Second Semester*		
Chem 103 General Chemistry	4	(3,3)	Chem 104 General Chemistry	4	(3,3)
D D 101 Freehand Drawing	1	(0,3)	D D 102 Technical Drawing	1	(0,3)
Engl 101 Comp. and Lit.	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
Phys 201 General Physics	3	(3,0)	Phys 202 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	18			18	

Sophomore Year

Chem 215 Qual. Analysis	4	(2,6)	Chem 216 Quan. Analysis	4	(2,6)
Chem 221 Organic Chemistry	5	(3,6)	Chem 222 Organic Chemistry	5	(3,6)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)	Math 204 Integral Calculus	5	(5,0)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
	18			18	

Junior Year

Chem 321 Qual. Org. Anal.	4	(2,6)	Chem 312 Gas & Fuel Analysis	3	(1,6)
Chem 331 Physical Chemistry	3	(3,0)	Chem 332 Physical Chemistry	3	(3,0)
Chem 333 Physical Chem. Lab.	2	(0,6)	Chem 334 Physical Chem. Lab.	2	(0,6)
Ger 101 Beginner's German	3	(3,0)	Ger 102 Beginner's German	3	(3,0)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
*Approved Electives	8		*Approved Electives	9	
	20			20	

Senior Year

Chem 401 Inorg. Chemistry	3	(3,0)	Chem 402 Inorg. Chemistry	3	(3,0)
Chem 411 Adv. Quant. Anal.	3	(1,6)	Chem 432 Colloid Chemistry	2	(2,0)
Chem 431 Colloid Chemistry	2	(2,0)	Chem 442 Chem. Literature	2	(1,3)
M S 401 Military Drill	0	(0,3)	M S 402 Military Drill	0	(0,3)
*Approved Electives	11		*Approved Electives	12	
	19			19	

* Electives:

For the degree of B. S. in Chemistry, a student must elect at least 18 hours in History, Government, Public Speaking, Economics, Sociology, Psychology, etc.

Suggested Electives:			Suggested Electives:		
Bact 301 Gen. Bacteriology	3	(3,0)	Chem 444 Research Problems	3	(0,9)
Bact 303 Gen. Bact. Lab.	1	(0,3)	Chem 454 Inorganic Synthesis	2	(0,6)
Chem 441 Glass Manipulation	2	(0,6)	Chem 462 Technical Analysis	3	(1,6)
Chem 443 Research Problems	3	(0,9)	Chem 472 Organic Synthesis	4	(1,9)
Chem 481 Phase Equilibria	2	(2,0)	Chem 482 Chem. Thermodynamics	3	(3,0)
Ger 201 Intermediate German	3	(3,0)	Chem 484 Colloid Chem. Lab.	2	(0,6)
Math 305 Inter. Calculus	3	(3,0)	Geol 306 Mineralogy	4	(3,3)
M S M. S. & T.—Adv.	3	(4,0)	Ger 202 Intermediate German	3	(3,0)
Phys 301 Intro. to Mod. Phys.	3	(3,0)	Math 306 Ord. Diff. Equa.	3	(3,0)
Phys 441 Magn. and Elect.	4	(4,0)	M S M. S. & T.—Adv.	3	(4,0)
Phys 443 Exp. Electricity	1	(0,3)	Phys 452 Atom. & Nucl. Phys.	3	(3,0)

SCHOOL OF EDUCATION

The School of Education offers four-year curricula leading to the degree of Bachelor of Science in Education, Industrial Education and Vocational Agricultural Education. Courses are also made available for students of the other schools of the college. By making a proper program of studies it is possible for students to meet the professional requirements in subject matter and in education and to qualify for the teacher's certificate in this State. Students who are planning to teach are advised to plan not only their courses in education, but also their subject

matter courses so as to fulfill the State requirements in the state where they plan to teach. Students who are interested are invited to consult the Dean and other members of the Education staff for information.

Practice teaching in several subjects in cooperation with the State Department of Education and school systems constitutes part of the student's training.

The School of Education maintains a Teacher Placement Service with which students may register and from which employers may receive assistance. Both students and employers of teachers are invited to use this service.

EDUCATION

While the purpose of the curriculum in Education is to prepare teachers of general high school subjects, emphasis is placed upon the training of teachers in the various fields of science. The offerings of the other departments of the college make possible a wide selection of subject-matter courses in biology, chemistry, mathematics, English, history, civics, and physics. The majority of graduates enter the teaching profession, although some engage in related work such as athletic coaching.

Approval of electives by adviser is based on sequences appropriate to educational plan of the student.

EDUCATION

Freshman Year

First Semester			*Second Semester*		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
Educ 101 Orientation	1	(1,0)	Engl 102 Comp. and Lit.	3	(3,0)
Engl 101 Comp. and Lit.	3	(3,0)	Gov 101 Am. Nat'l. Govt.	3	(3,0)
Hist 101 American History	3	(3,0)	Hist 102 American History	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	17			19	

Sophomore Year

Bot 101 General Botany	3	(3,0)	Econ 202 Prin. of Economics	3	(3,0)
Bot 103 Gen. Bot. Lab.	1	(0,3)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Econ 201 Prin. of Economics	3	(3,0)	Phys 202 General Physics	3	(3,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Phys 204 Gen. Phys. Lab.	1	(0,3)
Phys 201 General Physics	3	(3,0)	Zool 101 General Zoology	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Zool 103 Gen. Zool. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
Approved Electives	3		Approved Electives	3	
	18			18	

Junior Year

Bact 301 Gen. Bacteriology	3 (3,0)	Econ 312 Commercial Law	3 (3,0)
Bact 303 Gen. Bact. Lab.	1 (0,3)	Educ 302 Educ. Psychology	3 (3,0)
Educ 305 Prin. of Sec. Ed.	3 (3,0)	Geol 203 General Geology	3 (3,0)
Engl 301 Public Speaking	3 (3,0)	R S 459 The Rural Community	3 (3,0)
Soc 301 Intro. Sociology	3 (3,0)	M S 302 Military Drill	0 (0,3)
M S 301 Military Drill	0 (0,3)	Approved Electives	9
Approved Electives	6		
	19		21

Senior Year

Arch 409 Art Appreciation	3 (3,0)	Econ 301 Labor Problems	3 (3,0)
Educ 412 Directed Teaching	6 (1,15)	Educ 332 Org. of Courses	3 (3,0)
Educ 424 Tech. of Teaching	3 (3,0)	Gov 302 State and Local Gov.	3 (3,0)
Educ 458 Health Education	3 (3,0)	Soc 402 The Family	3 (3,0)
Music 402 Music Appreciation	3 (3,0)	M S 402 Military Drill	0 (0,3)
M S 401 Military Drill	0 (0,3)	Approved Electives	5
Approved Electives	3		
	21		17

INDUSTRIAL EDUCATION

The curriculum in Industrial Education is designed to prepare students to teach industrial subjects, industrial arts, drawing, manual training, and metal work in the high schools and to supervise the teaching of evening trade classes. Graduates become affiliated with high school industrial education departments as teachers, supervisors, and diversified-occupations specialists. Students who plan to teach in industrial communities may choose such electives in textiles, engineering, chemistry or agriculture as they have the background, prerequisites and interests. A few graduates secure employment in industry in special training programs.

INDUSTRIAL EDUCATION

Freshman Year

First Semester		*Second Semester*	
Chem 101 General Chemistry	4 (3,3)	Chem 102 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)	D D 106 Engr. Drawing	2 (0,6)
Educ 101 Orientation	1 (1,0)	Engl 102 Comp. and Lit.	3 (3,0)
Engl 101 Comp. and Lit.	3 (3,0)	Math 104 Freshman Math.	5 (5,0)
In En 101 Metal Processes	2 (0,6)	T M 101 Intro. to Textiles	3 (2,3)
Math 103 Freshman Math.	5 (5,0)	M S 102 Military Drill	0 (0,3)
M S 101 Military Drill	0 (0,3)	M S 104 M. S. & T.—Basic	1 (2,0)
M S 103 M. S. & T.—Basic	1 (2,0)		
	18		18

Sophomore Year

Engl 203 Survey of Engl. Lit.	3	(3,0)	Bot 101 General Botany	3	(3,0)
In En 201 Metal Processes	2	(0,6)	Bot 103 Gen. Bot. Lab.	1	(0,3)
In En 205 Constr. Materials	2	(2,0)	Econ 201 Prin. of Economics	3	(3,0)
Phys 201 General Physics	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	In En 202 Wood Processes	2	(0,6)
Zool 101 General Zoology	3	(3,0)	In En 302 Welding	2	(1,3)
Zool 103 Gen. Zool. Lab.	1	(0,3)	Phys 202 General Physics	3	(3,0)
M S 201 Military Drill	0	(0,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 202 Military Drill	0	(0,3)
Approved Elective	3		M S 204 M. S. & T.—Basic	1	(2,0)
	19			19	

Junior Year

Arch 215 Bldg. Materials	2	(2,0)	Arch 216 Building Design	2	(2,0)
Educ 305 Prin. of Sec. Educ.	3	(3,0)	Educ 302 Educ. Psychology	3	(3,0)
Educ 307 Ind. Educ. Lab.	2	(0,6)	Educ 308 Ind. Educ. Lab.	2	(0,6)
E E 303 Elec. Cir. & Machines	4	(3,3)	E E 304 Voc. Electricity	2	(1,3)
Hist 303 History of Civ.	3	(3,0)	Engl 301 Public Speaking	3	(3,0)
In Ar 303 Industrial Arts	2	(1,3)	Hist 304 History of Civ.	3	(3,0)
M S 301 Military Drill	0	(0,3)	In Ar 304 Industrial Arts	2	(1,3)
Approved Electives	3		M S 302 Military Drill	0	(0,3)
			Approved Electives	3	
	19			20	

Senior Year

Arch 409 Art Appreciation	3	(3,0)	Arch 408 Industrial Design	1	(0,3)
Educ 402 Directed Teaching	6	(1,15)	Bact 301 Gen. Bacteriology	3	(3,0)
Educ 424 Tech. of Teaching	3	(3,0)	Bact 303 Gen. Bact. Lab.	1	(0,3)
Educ 458 Health Education	3	(3,0)	Educ 332 Org. of Courses	3	(3,0)
Music 402 Music Appreciation	3	(3,0)	Educ 421 Coor. Methods	2	(2,0)
M S 401 Military Drill	0	(0,3)	Soc 301 Intro. Sociology	3	(3,0)
Approved Electives	3		M S 402 Military Drill	0	(0,3)
			Approved Electives	3	
	21			16	

VOCATIONAL AGRICULTURAL EDUCATION

The proportion of graduates of the curriculum in Vocational Agricultural Education who enter the teaching of vocational agriculture in the public schools approaches one hundred per cent; a few, however, enter general and specialized farming and other agricultural occupations. After a few years of teaching experience, a number of graduates advance in the teaching profession or enter related agricultural work such as agricultural extension service, farm credit and rehabilitation work, and special government agencies.

VOCATIONAL AGRICULTURAL EDUCATION

Freshman Year

First Semester

Agron 101 Farm Crops	3	(3,0)
Chem 101 General Chemistry	4	(3,3)
Educ 101 Orientation	1	(1,0)
Engl 101 Comp. and Lit.	3	(3,0)
Math 101 College Algebra	3	(3,0)
Zool 101 General Zoology	3	(3,0)
Zool 103 Gen. Zool. Lab.	1	(0,3)
M S 101 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)
	19	

Second Semester

A H 101 Types and Breeds	2	(2,0)
A H 103 Types & Breeds Lab.	1	(0,3)
Bot 101 General Botany	3	(3,0)
Bot 103 Gen. Bot. Lab.	1	(0,3)
Chem 102 General Chemistry	4	(3,3)
Engl 102 Comp. and Lit.	3	(3,0)
Math 102 Trigonometry	3	(3,0)
M S 102 Military Drill	0	(0,3)
M S 104 M. S. & T.—Basic	1	(2,0)
	18	

Sophomore Year

Chem 220 Organic Chemistry	4	(3,3)
Dairy 201 Dairying	3	(2,3)
Engl 203 Survey of Engl. Lit.	3	(3,0)
Gov 101 Am. Nat'l. Gov't.	3	(3,0)
Phys 201 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)
	18	

Ag Ec 201 Agric. Economics	3	(3,0)
Ag En 201 Farm Machinery	3	(2,3)
Agron 202 Soils	3	(2,3)
Engl 204 Survey of Engl. Lit.	3	(3,0)
Hort 201 Gen. Horticulture	3	(2,3)
Phys 202 General Physics	3	(3,0)
Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 202 Military Drill	0	(0,3)
M S 204 M. S. & T.—Basic	1	(2,0)
	20	

Junior Year

Ag En 301 Soil Conservation	3	(2,3)
Agron 301 Fertilizers	3	(3,0)
Educ 301 Intro. to Educ.	3	(3,0)
P H 301 Farm Poultry	3	(3,0)
P H 303 Farm Poul. Lab.	1	(0,3)
R S 301 Rural Sociology	3	(3,0)
M S 301 Military Drill	0	(0,3)
Approved Elective	3	
	19	

Suggested Electives:

A H 310 Pork Production	2	(2,0)
A H 314 Pork Prod. Lab.	1	(0,3)
Ent 301 Elem. & Econ. Ent.	3	(2,3)
Hort 305 Plant Propagation	3	(2,3)
M S M. S. & T.—Adv.	3	(4,0)

Ag En 205 Farm Shop	3	(2,3)
A H 301 Feeds and Feeding	3	(3,0)
Bact 301 Gen. Bacteriology	3	(3,0)
Bact 303 Gen. Bact. Lab.	1	(0,3)
Educ 302 Educ. Psychology	3	(3,0)
Engl 301 Public Speaking	3	(3,0)
M S 302 Military Drill	0	(0,3)
Approved Elective	3	
	19	

Suggested Electives:

Ag Ec 460 Agric. Finance	3	(3,0)
For 205 Farm Forestry	2	(2,0)
For 207 Farm For. Lab.	1	(0,3)
Hort 306 Landscape Design	2	(2,0)
Hort 308 Landsc. Des. Lab.	1	(0,3)
M S M. S. & T.—Adv.	3	(4,0)

Senior Year

Arch 409 Art Appreciation	3	(3,0)
Bot 401 Plant Pathology	2	(2,0)
Bot 403 Plant Path. Lab.	1	(0,3)
Educ 401 Meth. in Ag. Ed.	3	(3,0)
Educ 403 Directed Teaching	3	(0,9)
Educ 458 Health Educ. for Tchrs.	3	(3,0)
M S 401 Military Drill	0	(0,3)
Approved Elective	3	
	18	

Suggested Electives:

Ag Ec 309 Marketing	3	(2,3)
Hort 456 Truck Crops	3	(2,3)
M S M. S. & T.—Adv.	3	(4,0)
R S 459 The Rural Community	3	(3,0)
V S 401 Anat. & Physiology	3	(2,3)

Ag Ec 302 Farm Management	4	(3,3)
Educ 404 Directed Teaching	3	(0,9)
Educ 422 Prob. in Adult Educ.	3	(3,0)
Hort 464 Food Preservation	3	(2,3)
Music 402 Music Appreciation	3	(3,0)
M S 402 Military Drill	0	(0,3)
Approved Elective	3	
	19	

Suggested Electives:

Ag Ec 451 Econ. of Cooperation	3	(3,0)
Hort 452 Commrcl. Pomology	3	(2,3)
M S M. S. & T.—Adv.	3	(4,0)
V S 402 Animal Diseases	3	(2,3)

SCHOOL OF ENGINEERING

Seven curricula are offered under the School of Engineering including Architecture, Architectural Engineering, Ceramic Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, and Mechanical Engineering. The curricula in Civil, Electrical, and Mechanical Engineering are accredited by the Engineers Council for Professional Development.

While the School of Engineering does not offer specific options or majors under each of these curricula, the training includes many phases of each respective field. Thus, a Civil Engineering student is graduated in Civil Engineering rather than hydraulic engineering, highway engineering, sanitary engineering or other such options, but the curriculum in Civil Engineering includes definite training along these lines. In the same way, the other engineering curricula include thorough training in various phases of the field of specialization without over-emphasizing one phase to the neglect of others.

All engineering consists of the application of the laws of physics, chemistry, and mathematics to the solution of specific problems. Furthermore, any engineer must be able to express his ideas both in words and in drawings. For these two reasons the first two years of all the branches of engineering here listed are substantially the same and deal largely with the fundamentals mentioned above.

An engineer in any branch should understand the methods of fabrication of machine parts and the possibilities and limitations of various methods. For this reason shop courses are included in all engineering curricula. These courses are not manual training in nature and do not deal with the acquisition of specific skills.

In all curricula, over-specialization is carefully avoided by the inclusion of subjects which involve the most direct application of the basic sciences and which serve to develop habits of orderly analysis and logical thinking.

ARCHITECTURE AND ARCHITECTURAL ENGINEERING

The full professional courses in Architecture and Architectural Engineering as given below lead to the Bachelor of Science degree in the respective courses at the end of the fourth year, and to the Bachelor of Architecture degree at the end of the fifth year. The two courses are the same in the freshman and sophomore years. Those students interested in architectural design continue in the course in Architecture and those interested in construction pursue the course in Architectural Engineering.

The courses are broad in scope, fitting the graduate not only for the practice of architecture, but for a number of allied professions. All work is individual and every effort is made to develop the students' individuality, imagination and creative ability. Skillful draftsmanship and artistic presentation are insisted upon.

The South Carolina State Board of Architectural Examiners accepts the diploma of this department as equivalent to two years' work in a practicing architect's office, otherwise required. The department is a member of the Association of Collegiate Schools of Architecture.

As Architecture is one of the fine arts much time is given to freehand drawing, color work, history of architecture, painting and sculpture. Architectural design and building construction are the two major subjects and greatest attention is paid to them throughout the entire course. The two courses parallel each other and insofar as feasible are integrated one with the other. In these the student is given a written program of requirements of a building or group of buildings and under the criticism of the instructor creates a design embodying his own ideas.

Fundamental courses are given in mathematics, graphic statics, strength of materials, reinforced concrete, steel, building materials and details, and in working drawings which consist of complete plans and specifications for a building prepared as in the office of the practicing architect.

The architectural library adjoining the drafting rooms is a working library with many volumes concerning architecture and

allied subjects, photographic plans and illustrations, lantern slides, drawings, models and files of the leading architectural magazines, both American and foreign. Books of this type purchased by the main College library are deposited in the architectural library. In the structural drafting room is a complete built-in exhibit of building materials and appliances especially arranged for instructional purposes.

Each spring students are expected to take an educational trip to a large city to study examples of architecture and construction.

Six weeks of practical architectural work approved by the architectural faculty are required for graduation.

ARCHITECTURE

Freshman Year

First Semester			*Second Semester*		
Arch 101 Elements of Design	2	(0,6)	Arch 102 Arch. Design	3	(0,9)
Arch 105 Freehand Presen	3	(0,9)	Arch 106 Freehand Represen	2	(0,6)
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
Engl 101 Comp. and Lit.	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	18			18	

Sophomore Year

Arch 201 Arch. Design	4	(0,12)	Arch 202 Arch. Design	4	(0,12)
Arch 205 Elem. Water Color	2	(0,6)	Arch 206 Adv. Water Color	1	(0,3)
Arch 215 Building Materials	2	(2,0)	Arch 216 Building Design	2	(2,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 201 Diff. Calculus	3	(3,0)	Math 202 Integral Calculus	3	(3,0)
Phys 201 General Physics	3	(3,0)	Phys 202 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
	19			18	

Junior Year

Arch 301 Arch. Design	5	(0,15)	Arch 302 Arch. Design	5	(0,15)
Arch 305 Delineation	1	(0,3)	Arch 306 Delineation	1	(0,3)
Arch 309 Hist. of Arch	3	(3,0)	Arch 310 Hist. of Arch.	2	(2,0)
Arch 317 Working Drawings	2	(1,3)	Arch 318 Working Drawings	2	(1,3)
Mech 302 Statics	3	(3,0)	Engl 301 Public Speaking	3	(3,0)
Mech 306 Graphic Statics	1	(0,3)	Mech 304 Mech. of Matr.	3	(3,0)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
Approved Elective	3		Elective	3	
	18			19	

Senior Year

Arch 401 Arch. Design	6	(0,18)	Arch 402 Arch. Design	6	(0,18)
Arch 411 Hist. of Arch.	2	(2,0)	Arch 412 Hist. of Arch	3	(3,0)
Arch 415 Building Design	2	(2,0)	Arch 416 Specs. & Prof. Prac.	2	(2,0)
Arch 417 Working Drawings	2	(0,6)	Arch 418 Construction	2	(2,0)
Arch 419 Mech. Plant	2	(1,3)	Arch 420 Mech. Plant	2	(1,3)
C E 409 Reinf. Concrete	4	(3,3)	M S 402 Military Drill	0	(0,3)
M S 401 Military Drill	0	(0,3)	Elective	5	
Approved Elective	2				
	20			20	

Fifth Year

Arch 431 Arch. Des. & City Plan.	7	(0,21)	Arch 432 Arch. Design	7	(0,21)
Arch 439 Hist. of Arch.	3	(3,0)	Arch 440 Hist. of Arch.	3	(3,0)
Arch 445 Construction	1	(0,3)	Arch 446 Construction	1	(0,3)
C E 819 Photogrammetry	3	(2,3)	Arch 452 Thesis	3	
Elective	6		C E 416 Contracts	2	(2,0)
			Elective	3	
	20			19	

Four-year course leads to the degree of Bachelor of Science in Architecture.

Five-year course leads to the degree of Bachelor of Architecture.

ARCHITECTURAL ENGINEERING

The curriculum in Architectural Engineering is subject to revision before the beginning of the 1950-51 Session.

Freshman Year

First Semester			*Second Semester*		
Arch 101 Elements of Design	2	(0,6)	Arch 102 Arch. Design	3	(0,9)
Arch 105 Freehand Presen	3	(0,9)	Arch 106 Freehand Represen	2	(0,6)
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
Engl 101 Comp. and Lit.	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	18			18	

Sophomore Year

Arch 201 Arch. Design	4	(0,12)	Arch 202 Arch. Design	4	(0,12)
Arch 205 Elem. Water Color	2	(0,6)	Arch 206 Adv. Water Color	1	(0,3)
Arch 215 Building Materials	2	(2,0)	Arch 216 Building Design	2	(2,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 201 Diff. Calculus	3	(3,0)	Math 202 Integral Calculus	3	(3,0)
Phys 201 General Physics	3	(3,0)	Phys 202 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
	19			18	

Junior Year

Arch 301 Arch. Design	5	(0,15)	Arch 302 Arch. Design	5	(0,15)
Arch 305 Delineation	1	(0,3)	Arch 306 Delineation	1	(0,3)
Arch 309 Hist. of Arch.	3	(3,0)	Arch 310 Hist. of Arch.	2	(2,0)
Arch 317 Working Drawings	2	(1,3)	Arch 318 Working Drawings	2	(1,3)
C E 101 Intro. Surveying	2	(1,3)	C E 309 Stress Analysis	2	(0,6)
Mech 302 Statics	3	(3,0)	Mech 304 Mech. of Matr.	3	(3,0)
Mech 306 Graphic Statics	1	(0,3)	M S 302 Military Drill	0	(0,3)
M S 301 Military Drill	0	(0,3)	Approved Elective	3	
Approved Elective	3				
	20			18	

Senior Year

Arch 419 Mech. Plant	2	(1,3)	Arch 416 Spec. & Prof. Prac.	2	(2,0)
Arch 425 Building Design	2	(2,0)	Arch 428 Working Drawings	4	(1,9)
Arch 427 Working Drawings	4	(1,9)	C E 409 Reinf. Concrete	4	(3,3)
C E 310 Elementary Design	2	(0,6)	C E 415 Soil Mechanics	3	(2,3)
Engl 301 Public Speaking	3	(3,0)	M S 402 Military Drill	0	(0,3)
M S 401 Military Drill	0	(0,3)	Technical Elective	3	
Technical Elective	4		Approved Elective	3	
Approved Elective	3				
	20			19	
Technical Electives:			Technical Electives:		
Arch 447 City Planning	3	(1,6)	Arch 448 City Planning	3	(1,6)
E E 303 Elec. Circuits & Mach.	4	(3,3)	C E 416 Contracts	2	(2,0)
			M E 302 Mech. Engr.	3	(3,0)
			M E 304 Mech. Engr.	1	(0,3)
General Electives:			General Electives:		
Econ 201 Prin. of Economics	3	(3,0)	Econ 202 Prin. of Economics	3	(3,0)
Econ 301 Labor Problems	3	(3,0)	Econ 302 Money and Banking	3	(3,0)
Econ 401 Accounting	3	(3,0)	Elective English	3	(3,0)
Elective English	3	(3,0)	Gov 302 State and Local Gov.	3	(3,0)
Hist 303 Hist. of Civ.	3	(3,0)	Gov. 43 Internat'l. Relat.	2	(2,0)
Phys 301 Int. to Mod. Phys.	3	(3,0)	Hist 304 Hist. of Civ.	3	(3,0)
Phys 303 Exp. in Mod. Phys.	1	(0,3)	Psych 302 Social Psychology	3	(3,0)
Psych 301 Gen. Psychology	3	(3,0)	Soc 301 Intro. Sociology	3	(3,0)

CERAMIC ENGINEERING

The ceramic industries have as their raw materials the non-metallic minerals other than fuels. These minerals constitute over 90 percent of the earth's crust while the industries dependent on them comprise almost one-third the entire field of industrial activity. Ceramic industries produce products in eight major classifications: structural clay products; glass; pottery; refractories abrasives; cements; limes and plaster; enameled metals; thermal and electrical insulation.

South Carolina possesses a wide variety of ceramic minerals which rank with the forests as the richest natural resources in the State. The presence of kaolin, silica, limestone, shale, kyanite, pyrophyllite, sericite, topaz, feldspar, vermiculite, sillimanite, talc, corundum, mica, spodumene, monazite, diatomaceou, earth and fuller's earth make it possible for South Carolina to contribute

raw materials to every major classification of the ceramic industries. The Portland Cement, glass, sewer pipe, brick flower pot, thermal insulation, refractory and pottery industries of the State indicate the diversity of ceramic industries which South Carolina is capable of supporting.

The ceramic industrial growth of South Carolina has been retarded by the absence of persons with a knowledge of ceramic manufacturing processes. The ceramic industries of today are no longer small colorful enterprises which can be operated by persons of dubious skill. Instead they are large manufacturing plants requiring trained engineers for their supervision. The growth of South Carolina's ceramic industries is dependent on the availability of trained engineers capable of incorporating and operating the modern techniques and equipment of the ceramic industries.

The demand for ceramic engineers has not been satisfied by American Colleges for many years including the years of the last depression. The curriculum in Ceramic Engineering is offered with the aim of partially supplying the demand for ceramic engineers in this region and providing trained engineers for the development of the latent resources of South Carolina.

The curriculum in Ceramic Engineering leads to the degree of Bachelor of Ceramic Engineering. The course is based on a thorough study of the sciences of chemistry, physics and mathematics. Advanced courses are designed to apply these fundamental sciences to Ceramic Engineering. A knowledge is required of the fundamentals of civil, electrical, and mechanical engineering. Extensive work is required in mechanical drawing. The need for a knowledge of the identification and occurrence of the numerous ceramic raw materials is satisfied with courses in geology, mineralogy and petrography. In the Ceramic Engineering courses, emphasis is placed on the processes of manufacture common to all the ceramic industries while the more advanced courses are concerned with the characteristics peculiar to specific classifications of the ceramic industries. The course in plant design offered in the senior year requires the application of principles acquired in previous courses. The Ceramic Engineering student may choose certain elective courses from the humanistic and social subjects.

An excellent ceramic laboratory has been equipped to demonstrate all the processes of ceramic manufacturing, including beneficiation of ores and clays, grinding and crushing materials, mixing and blending raw materials, forming the materials into various shapes, and drying and firing the prepared objects. Equipment for the control of industrial processes is studied and tests are made to determine the quality of various ceramic products. Well-equipped laboratories are available for research on raw materials and problems of ceramic industries in South Carolina.

Ceramic Engineering graduates find employment as plant executives, research engineers, plant-control engineers, sales engineers, product control engineers, plant designers and constructors, equipment manufacturers, consulting engineers, and ceramic chemists and technologists.

CERAMIC ENGINEERING

Freshman Year

First Semester			*Second Semester*		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)	C E 101 Intro. Surveying	2	(1,3)
Engl 101 Comp. and Lit.	3	(3,0)	or In En 101 Metal Processes	2	(0,6)
In En 101 Metal Processes	2	(0,6)	D D 106 Engr. Drawing	2	(0,6)
or C E 101 Intro. Surveying	2	(1,3)	Engl 102 Comp. and Lit.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	17			17	

Sophomore Year

Chem 215 Qual. Analysis	4	(2,6)	Cr En 202 Ceramic Materials	2	(2,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Chem 216 Quan. Analysis	4	(2,6)
Geol 406 Engr. Geology	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)	Math 204 Integral Calculus	5	(5,0)
Phys 211 G. Phys. for Engr.	4	(4,0)	Phys 212 G. Phys. for Engr.	4	(4,0)
Phys 213 Gen. Phys. Lab.	1	(0,3)	Phys 214 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
	21			20	

Junior Year

Cr En 301 Drying & Firing	5	(3,6)	Chem 336 Physical Chemistry	5	(3,6)
Geol 306 Mineralogy	4	(3,3)	Geol 302 Optical Mineralogy	4	(3,3)
M E 305 Heat Power	3	(3,0)	M E 306 Heat Power	3	(3,0)
M E 309 Mechanical Lab.	1	(0,3)	M E 310 Mechanical Lab.	1	(0,3)
Mech 302 Statics	3	(3,0)	Mech 303 Kinetics	3	(3,0)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
*Approved Elective	3		*Approved Elective	3	
	19			19	

Senior Year

Cr En 401 Silicates	5 (3,6)	Cr En 402 Refractories	3 (3,0)
Cr En 405 Plant Design	3 (0,9)	Cr En 404 Enamels	3 (3,0)
E E 303 Elec. Circuits & Machines	4 (3,3)	Cr En 406 Ceramic Project	2 (0,6)
Mech 304 Mech. of Matr.	3 (3,0)	Cr En 408 Plant Design	2 (0,6)
Mech 305 Mech. of Matr. Lab.	1 (0,3)	Engl 301 Public Speaking	3 (3,0)
M S 401 Military Drill	0 (0,3)	Engl 302 Business Law	3 (3,0)
*Approved Elective	2	M S 402 Military Drill	0 (0,3)
		*Approved Elective	3
	18		19

*Electives: A student who does not take advanced ROTC is required to take most, if not all, his electives from the humanistic social studies.

CHEMICAL ENGINEERING

The curriculum in Chemical Engineering is designed to give a sound training in Chemical Engineering for those who wish to enter the process industries. In addition to the direct work in Unit Operations and Unit Processes, a solid background of chemistry, mathematics, physics, and general engineering is provided. The ever changing and increasingly complex chemical industry demands a well trained, adaptive personnel. The rule-of-thumb methods of the turn of the century are no longer adequate for the chemical engineer's principal tasks, design and operation of process plants and converting the discoveries of the research laboratory into industrial reality.

Chemical Engineering graduates are principally employed in direct manufacturing, research and development work, technical service, and in the sales divisions of chemical and allied industrial organizations.

CHEMICAL ENGINEERING

Freshman Year

First Semester		*Second Semester*	
Chem 103 General Chemistry	4 (3,3)	Chem 104 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)	C E 101 Intro. Surveying	2 (1,3)
Engl 101 Comp. and Lit.	3 (3,0)	or In En 101 Metal Processes	2 (0,6)
In En 101 Metal Processes	2 (0,6)	D D 106 Engr. Drawing	2 (0,6)
or C E 101 Intro. Surveying	2 (1,3)	Engl 102 Comp. and Lit.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)	Math 104 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)	M S 102 Military Drill	0 (0,3)
M S 103 M. S. & T. Basic	1 (2,0)	M S 104 M. S. & T.—Basic	1 (2,0)
	17		17

Sophomore Year

Chem 215 Qual. Analysis	4 (2,6)	Ch En 202 Intro. to Chem. Engr.	3 (3,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)	Chem 216 Quan. Analysis	4 (2,6)
In En 201 Metal Processes	2 (0,6)	Engl 204 Survey of Engl. Lit.	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)	Math 204 Integral Calculus	5 (5,0)
Phys 211 G. Phys. for Engr.	4 (4,0)	Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)	Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)	M S 202 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)	M S 204 M. S. & T.—Basic	1 (2,0)
	20		21

Junior Year

Ch En 301 Prin. Chem. Engr.	3	(3,0)	Ch En 302 Prin. Chem. Engr.	3	(3,0)
Ch En 305 Unit Operations	1	(0,3)	Ch En 306 Unit Operations	1	(0,3)
Chem 221 Organic Chemistry	5	(3,6)	Chem 222 Organic Chemistry	5	(3,6)
Chem 331 Physical Chemistry	3	(3,0)	Chem 332 Physical Chemistry	3	(3,0)
Chem 333 Phys. Chem. Lab.	2	(0,6)	Chem 334 Phys. Chem. Lab.	2	(0,6)
Mech 302 Statics	3	(3,0)	Mech 303 Kinetics	3	(3,0)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
Approved Elective	3		Approved Elective	3	
	20			20	

Senior Year

Ch En 401 Prin. Chem. Engr.	3	(3,0)	Ch En 404 Chem. Industries	3	(3,0)
Ch En 403 Chem. Industries	3	(3,0)	Ch En 406 Ind. Chem. Calc.	2	(2,0)
Ch En 405 Unit Operations	2	(0,6)	Ch En 410 Plant Design	2	(0,6)
Ch En 409 Plant Design	2	(0,6)	Ch En 412 Thesis	3	(0,9)
Ch En 415 Ch. En. Seminar	0	(1,0)	Ch En 416 Ch. En. Seminar	0	(1,0)
E E 303 Elec. Circuits & Mach.	4	(3,3)	M E 302 Mech. Engr.	3	(3,0)
M S 401 Military Drill	0	(0,3)	M E 304 Mech. Engr. Lab.	1	(0,3)
Approved Electives	4		M S 402 Military Drill	0	(0,3)
			Approved Elective	3	
	18			17	
Suggested Electives:			Suggested Electives:		
Chem 431 Colloid Chemistry	2	(2,0)	Chem 432 Colloid Chemistry	2	(2,0)
Econ 201 Prin. of Economics	3	(3,0)	Econ 202 Prin. of Economics	3	(3,0)
Econ 301 Labor Problems	3	(3,0)	Econ 302 Money and Banking	3	(3,0)
Econ 401 Accounting	3	(3,0)	Elective English	3	(3,0)
Elective English	3	(3,0)	Gov 43 Internat'l. Relat.	2	(2,0)
Hist 303 Hist. of Civ.	3	(3,0)	Hist 304 Hist. of Civ.	3	(3,0)
Modern Language	3	(3,0)	Modern Language	3	(3,0)
Phys 301 Int. to Mod. Phys.	3	(3,0)	Phys 452 Atom and Nucl. Ph.	3	(3,0)
Phys 303 Exp. in Mod. Phys.	1	(0,3)	Psych 302 Social Psychology	3	(3,0)
Psych 301 Gen. Psychology	3	(3,0)	Soc 301 Intro. Sociology	3	(3,0)

CIVIL ENGINEERING

The course in Civil Engineering leads to the degree of Bachelor of Civil Engineering. It is planned to equip the student with a working knowledge of those subjects which are fundamental in the field of civil engineering.

Civil engineering is the broadest in scope of the engineering professions, being the parent stem from which most of the other branches of engineering have developed. All branches of civil engineering rest on a comparatively compact body of principles, in which the students are thoroughly trained in the class room, the drafting room, the field and the laboratory. Particular effort is made to develop those qualities essential to success in any field of endeavor and to fit the graduate to become a useful citizen—a good business man as well as a successful engineer.

The civil engineering graduate is prepared to work in a junior position in practically all of the civil engineering fields, including surveying and mapping, design and construction of

bridges, buildings, railways, highways, hydraulic, municipal and sanitary works. Here he will find opportunity for professional advancement through further study in the field of his choice.

In addition to the required technical studies, broadening training in the field of humanities is given.

A summer surveying camp between the sophomore and junior years is normally an integral part of the course in Civil Engineering, but this feature was suspended during the war, and has not yet been reinstated.

CIVIL ENGINEERING

Freshman Year

First Semester		*Second Semester*	
Chem 101 General Chemistry	4 (3,3)	Chem 102 General Chemistry	4 (3,3)
D D 105 Engr. Drawing	2 (0,6)	C E 101 Intro. Surveying	2 (1,3)
Engl 101 Comp. and Lit.	3 (3,0)	or In En 101 Metal Processes	2 (0,6)
In En 101 Metal Processes	2 (0,6)	D D 106 Engr. Drawing	2 (0,6)
or C E 101 Intro. Surveying	2 (1,3)	Engl 102 Comp. and Lit.	3 (3,0)
Math 103 Freshman Math.	5 (5,0)	Math 104 Freshman Math.	5 (5,0)
M S 101 Military Drill	0 (0,3)	M S 102 Military Drill	0 (0,3)
M S 103 M. S. & T.—Basic	1 (2,0)	M S 104 M. S. & T.—Basic	1 (2,0)
	17		17

Sophomore Year

C E 201 Surveying	2 (2,0)	C E 202 Surveying	2 (2,0)
C E 203 Topog. Survey. & Map.	1 (0,3)	Engl 204 Survey of Engl. Lit.	3 (3,0)
C E 205 C. E. Problems	2 (1,3)	Math 204 Integral Calculus	5 (5,0)
Engl 203 Survey of Engl. Lit.	3 (3,0)	Mech 302 Statics	3 (3,0)
Math 203 Diff. Calculus	5 (5,0)	Mech 306 Graphic Statics	1 (0,3)
Phys 211 G. Phys. for Engr.	4 (4,0)	Phys 212 G. Phys. for Engr.	4 (4,0)
Phys 213 Gen. Phys. Lab.	1 (0,3)	Phys 214 Gen. Phys. Lab.	1 (0,3)
M S 201 Military Drill	0 (0,3)	M S 202 Military Drill	0 (0,3)
M S 203 M. S. & T.—Basic	1 (2,0)	M S 204 M. S. & T.—Basic	1 (2,0)
	19		20

C E 300 Summer Surveying Camp 2

Junior Year

C E 305 Route Surveying	3 (3,0)	C E 306 Roads & Pavements	4 (3,3)
C E 309 Stress Analysis	2 (0,6)	C E 310 Elementary Design	2 (0,6)
Econ 201 Prin. of Economics	3 (3,0)	Engl 301 Public Speaking	3 (3,0)
E E 303 Elec. Circuits & Mach.	4 (3,3)	Geol 406 Engr. Geology	3 (3,0)
Mech 304 Mech. of Matr.	3 (3,0)	M E 302 Mech. Engr.	3 (3,0)
Mech 305 Mech. Matr. Lab.	1 (0,3)	M E 304 Mech. Engr. Lab.	1 (0,3)
M S 301 Military Drill	0 (0,3)	M S 302 Military Drill	0 (0,3)
Approved Elective	3	Approved Elective	3
	19		19

Senior Year

C E 401 Structural Design	3	(2,3)
C E 405 Road Lab.	1	(0,3)
C E 409 Reinf. Concrete	4	(3,3)
C E 415 Soil Mechanics	3	(2,3)
Mech 401 Fluid Mechanics	3	(3,0)
Mech 403 Fluid Mech. Lab.	1	(0,3)
M S 401 Military Drill	0	(0,3)
Approved Elective	3	
	18	

Suggested Electives:

C E 417 City Planning	2	(2,0)
C E 412 Reinf. Concrete Design	2	(0,6)
C E 452 Adv. Struct. Anal.	2	(2,0)
C E 499 Thesis	1 - 3	
Econ 301 Labor Problems	3	(3,0)
Econ 401 Accounting	3	(3,0)
Hist 303 Hist. of Civ.	3	(3,0)
In En 205 Constr. Materials	2	(2,0)
Math 305 Intermediate Calc.	3	(3,0)
Phys 301 Int. to Mod. Phys.	3	(3,0)
Phys 303 Exp. in Mod. Phys.	1	(0,3)
Psych 301 Gen. Psychology	3	(3,0)
Religion	3	(3,0)

Bact 406 Sanitary Bact.	3	(3,0)
Bact 408 San. Bact. Lab.	1	(0,3)
C E 402 Structural Analysis	2	(2,0)
C E 406 Road Lab.	1	(0,3)
C E 410 Mun. & San. Engr.	5	(5,0)
C E 416 Contracts	2	(2,0)
M S 402 Military Drill	0	(0,3)
Technical Elective	2	
Approved Elective	3	
	19	

Suggested Electives:

Econ 202 Prin. of Economics	3	(3,0)
Econ 302 Money and Banking	3	(3,0)
Hist 304 Hist. of Civ.	3	(3,0)
In En 302 Welding	2	(1,3)
Math 306 Ord. Diff. Equa.	3	(3,0)
Mech 460 Hydrology	3	(3,0)
Mech 462 Water Power Engr.	3	(3,0)
Phys 304 Descript. Astronomy	3	(3,0)
Psych 302 Social Psychology	3	(3,0)
Religion	3	(3,0)
Soc 301 Intro. Sociology	3	(3,0)

ELECTRICAL ENGINEERING

Engineering deals fundamentally with the control of the energies of nature. Electrical Engineering is that branch of engineering which embraces the conversion of primary energy into electrical form, the transmission and the application of this energy to innumerable devices designed for human service. Some of the more notable applications are domestic appliances, illumination, transportation, communication, and industry motorization.

The curriculum for students in Electrical Engineering contains a selected series of fundamental studies which enable the student to enter any division of the field of Electrical Engineering. In addition the curriculum includes a selected group of broadening and cultural studies.

The first two years are devoted largely to basic sciences and other subjects prerequisite to the general field of engineering. The work of the last two years is more specialized and embraces required and elective courses which are pertinent to the two major fields, Power Engineering and Communication Engineering.

The theoretical courses in science and engineering are paralleled and reinforced by strong laboratory courses through which the student may make his own determinations of the

characteristics of engineering materials and machines and other electrical devices. The laboratories are well equipped for this work.

The entire course is directed toward the development of initiative and self-reliance, so that the student may enter his chosen field with reasonable hope of usefulness and success.

ELECTRICAL ENGINEERING

Freshman Year

First Semester			*Second Semester*		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)	C E 101 Intro. Surveying	2	(1,3)
Engl 101 Comp. and Lit.	3	(3,0)	or In En 101 Metal Processes	2	(0,6)
In En 101 Metal Processes	2	(0,6)	D D 106 Engr. Drawing	2	(0,6)
or C E 101 Intro. Survey.	2	(1,3)	Engl 102 Comp. and Lit.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	17			17	

Sophomore Year

E E 211 Electric Circuits	3	(3,0)	E E 212 Electric Fields	3	(2,3)
Econ 201 Prin. of Economics	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
or In En 201 Metal Processes	2	(0,6)	In En 201 Metal Processes	2	(0,6)
Engl 203 Survey of Engl. Lit.	3	(3,0)	or Econ 201 Prin. of Econ.	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)	Math 204 Integral Calculus	5	(5,0)
Phys 212 G. Phys. for Engr.	4	(4,0)	Phys 211 G. Phys. for Engr.	4	(4,0)
Phys 214 Gen. Phys. Lab.	1	(0,3)	Phys 213 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
M S or A S II			M S or A S II		
	20 or 19			19 or 20	

Junior Year

E E 311 D. C. Machinery	4	(3,3)	E E 316 A. C. Circuits	4	(3,3)
E E 315 A. C. Circuits	3	(3,0)	E E 320 Electronics	4	(3,3)
Engl 301 Public Speaking	3	(3,0)	M E 306 Heat Power	3	(3,0)
M E 305 Heat Power	3	(3,0)	M E 310 Mechanical Lab.	1	(0,3)
M E 309 Mechanical Lab.	1	(0,3)	Mech 303 Kinetics	3	(3,0)
Mech 302 Statics	3	(3,0)	M S 302 Military Drill	0	(0,3)
M S 301 Military Drill	0	(0,3)	Approved Elective	3	
Approved Elective	3				
	20			18	

Senior Year

E E 411 A. C. Machinery	5	(3,6)	E E 412 A. C. Machinery	4	(3,3)
E E 415 Advanced Circuits	3	(3,0)	M E 420 Administration	3	(3,0)
Hist 301 U. S. since 1865	3	(3,0)	Mech 304 Mech. of Matr.	3	(3,0)
M S 401 Military Drill	0	(0,3)	M S 402 Military Drill	0	(0,3)
Technical Elective	5		Technical Elective	7	
Approved Elective	3		Approved Elective	3	
	19			20	

Suggested Technical Electives:			Suggested General Electives:		
E E 405 Electrical Design	1	(0,3)	Econ 202 Prin. of Econ.	3	(3,0)
E E 406 Electrical Design	1	(0,3)	Econ 301 Labor Problems	3	(3,0)
E E 422 Elect. Distribution	2	(2,0)	Econ 302 Money and Banking	3	(3,0)
E E 426 Elect. Transients	3	(2,3)	Econ 401 Accounting	3	(3,0)
E E 427 Adv. A. C. Mach.	3	(3,0)	Elective English	3	(3,0)
E E 431 Radio Communication	4	(3,3)	Gov 43 Internat'l. Relations	2	(2,0)
E E 432 Radio Communication	4	(3,3)	Hist 303 Hist. of Civ.	3	(3,0)
E E 433 Indus. Electronics	3	(2,3)	Hist 304 Hist. of Civ.	3	(3,0)
E E 436 Rad. & Wave Prop.	3	(2,3)	Phys 301 Int. to Mod. Phys.	3	(3,0)
Math 306 Differential Equations	3	(3,0)	Phys 303 Exp. in Mod. Phys.	1	(0,3)
M E 411 Heat Power	3	(3,0)	Psych 301 Gen. Psychology	3	(3,0)
M E 413 Heat Power Lab.	2	(0,6)	Psych 302 Social Psychology	3	(3,0)
M E 426 Steam Turbines	3	(3,0)	Soc 301 Intro. Sociology	3	(3,0)
Mech 401 Fluid Mechanics	3	(3,0)			
Mech 403 Fluid Mech. Lab.	1	(0,3)			

MECHANICAL ENGINEERING

Mechanical Engineering deals largely with the production of power from prime sources of energy and the design of the wide variety of mechanisms involved in the production and use of this power and, therefore, necessitates a study of thermodynamics, mechanics, strength of materials, metallurgy, and hydraulics.

The economic aspects of all engineering are emphasized as much as possible and the program is conducted so as to encourage orderly habits of attack and analysis with the main emphasis on why rather than how.

Mechanical Engineering graduates work with the production of power from fuel and water, with the construction and operation of machines used in manufacturing, and with the operation of power industries and manufacturing plants. In addition to the power companies and large electric and manufacturing concerns where many graduates are employed, opportunities are numerous in the automotive, aeronautical, railroad, air conditioning and refrigeration industries. The vast power developments and manufacturing uses of power promise even greater opportunities for mechanical engineers.

MECHANICAL ENGINEERING

Freshman Year

First Semester			Second Semester		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)	C E 101 Intro. Surveying	2	(1,3)
Engl 101 Comp. and Lit.	3	(3,0)	or In En 101 Metal Processes	2	(0,6)
In En 101 Metal Processes	2	(0,6)	D D 106 Engr. Drawing	2	(0,6)
or C E 101 Intro. Survey.	2	(1,3)	Engl 102 Comp. and Lit.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	17			17	

Sophomore Year

Engl 203 Survey of Engl. Lit.	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
In En 201 Metal Processes	2	(0,6)	In En 202 Wood Processes	2	(0,6)
or In En 202 Wood Proc.	2	(0,6)	or In En 201 Metal Processes	2	(0,6)
Math 203 Diff. Calculus	5	(5,0)	Math 204 Integral Calculus	5	(5,0)
M E 211 Mech. Engr.	2	(2,0)	Mech 302 Statics	3	(3,0)
M E 213 Engr. Problems	1	(0,3)	Phys 212 G. Phys. for Engr.	4	(4,0)
Phys 211 G. Phys. for Engr.	4	(4,0)	Phys 214 Gen. Phys. Lab.	1	(0,3)
Phys 213 Gen. Phys. Lab.	1	(0,3)	M S 202 Military Drill	0	(0,3)
M S 201 Military Drill	0	(0,3)	M S 204 M. S. & T.—Basic	1	(2,0)
M S 203 M. S. & T.—Basic	1	(2,0)			
	19			19	

Junior Year

D D 305 Kinematics of Mach.	2	(1,3)	D D 306 Machine Design	2	(1,3)
Econ 201 Prin. of Economics	3	(3,0)	E E 308 A. C. Cir. & Mach.	4	(3,3)
E E 307 D. C. Cir. & Mach.	4	(3,3)	Engl 301 Public Speaking	3	(3,0)
M E 311 Heat Power	3	(3,0)	M E 312 Heat Power	3	(3,0)
M E 313 Heat Power Lab.	1	(0,3)	M E 314 Heat Power Lab.	1	(0,3)
Mech 303 Kinetics	3	(3,0)	Mech 304 Mech. of Matr.	3	(3,0)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
Approved Elective	3		Approved Elective	3	
	19			19	

Senior Year

Hist 301 U. S. since 1865	3	(3,0)	In En 402 Metallurgy	3	(2,3)
M E 411 Heat Power	3	(3,0)	M E 412 Heat Power	3	(3,0)
M E 413 Heat Power Lab.	2	(0,6)	M E 414 Heat Power Lab.	2	(0,6)
Mech 401 Fluid Mechanics	3	(3,0)	M E 420 Administration	3	(3,0)
Mech 403 Fluid Mech. Lab.	1	(0,3)	M S 402 Military Drill	0	(0,3)
M S 401 Military Drill	0	(0,3)	*Technical Elective	6	
*Technical Elective	5		Approved Elective	3	
Approved Elective	3				
	20			20	

* 4 semester hours of Design required in the Senior year.

Technical Electives:			Technical Electives:		
C E 309 Stress Analysis	2	(0,6)	E E 320 Electronics	4	(3,3)
M E 417 Design	2	(1,3)	M E 418 Design	2	(1,3)
M E 421 Gas Engines	3	(3,0)	M E 426 Steam Turbines	3	(3,0)
M E 423 Gas Engine Design	1	(0,3)	M E 428 Steam Turbine Design	1	(0,3)
M E 429 Heating and Vent.	2	(2,0)	M E 430 Air Conditioning	2	(2,0)
M E 431 Heat. & Vent. Des.	1	(0,3)	M E 432 Air Cond. Des.	1	(0,3)
M E 433 Elem. Aerodynamics	2	(2,0)	M E 434 Refrigeration	2	(2,0)
Mech 460 Hydrology	3	(3,0)	General Electives:		
Mech 462 Water Power Engr.	3	(3,0)	Econ 202 Prin. of Economics	3	(3,0)
General Electives:			Econ 302 Money and Banking	3	(3,0)
Econ 301 Labor Problems	3	(3,0)	Elective English	3	(3,0)
Econ 401 Accounting	3	(3,0)	Hist 304 Hist. of Civ.	3	(3,0)
Hist 303 Hist. of Civ.	3	(3,0)	Math 306 Ord. Diff. Equa.	3	(3,0)
Math 305 Intermediate Calc.	3	(3,0)	Math 454 Advanced Calculus	3	(3,0)
Math 453 Advanced Calculus	3	(3,0)	Phys 452 Atom and Nucl. Ph.	3	(3,0)
Phys 301 Int. to Mod. Phys.	3	(3,0)	Psych 302 Social Psychology	3	(3,0)
Phys 303 Exp. in Mod. Phys.	1	(0,3)	Rel 201, 203 or 305	3	(3,0)
Psych 301 Gen. Psychology	3	(3,0)	Soc 301 Intro. Sociology	3	(3,0)
T M 401 Textile Costing	5	(3,6)	T M 101 Intro. to Textiles	3	(2,3)
T M 403 Textile Management	3	(3,0)			
T M 454 Time Study	3	(2,3)			

SCHOOL OF TEXTILES

The great majority of the textile corporations which produce textiles on the cotton system are now located in the Southeastern States, centering in South Carolina and neighboring states. This makes Clemson College an appropriate institution for college training in this field.

There is a trend in the demand for some graduates with training in the basic engineering sciences; therefore, the Textile Engineering course has been modified to meet this demand.

The Clemson Textile School now offers three courses leading to the degree of Bachelor of Science: Textile Chemistry, Textile Engineering, and Textile Manufacturing. Knitting is offered as an option under Textile Manufacturing.

The Sirrine Foundation. The funds in this foundation have been contributed by the textile companies in the State and now total nearly one million dollars, which figure is expected to be exceeded soon. The interest from this large fund is used exclusively for the School of Textiles at Clemson, primarily to improve the teaching staff. Under the present plans, the textile faculty is benefiting in three ways. (1) For all faculty members retiring with the rank of associate or full professor, the retirement payments by the State are enhanced to 85 percent of the member's full salary (to 100 percent for heads of departments). (2) The foundation contributes half of the salary for an extra professor in each of three departments. The additional faculty members have research projects but take classes for short periods to enable the regular teachers to visit mills, attend conferences, etc. (3) The foundation greatly increases the travel funds to aid the visitation and study of the mills in the State. Plans for the use of additional funds are to be announced later.

TEXTILE CHEMISTRY

The work of textile chemists includes the various phases of textile coloring, bleaching, printing, dyeing, and finishing of textile yarns and fabrics, as well as the manufacture and sale of dyestuffs. Graduates have positions such as bleachery chemist, dye foreman, designer, laboratory chemist, textile chemist, research assistant, and sales representative.

TEXTILE CHEMISTRY

Freshman Year

First Semester			*Second Semester*		
Chem 103 General Chemistry	4	(3,3)	Chem 104 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)	D D 106 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Gov 101 Am. Nat'l. Gov't.	3	(3,0)	Math 104 Freshman Math.	5	(5,0)
Math 103 Freshman Math.	5	(5,0)	T M 101 Intro. to Textiles	3	(2,3)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	18			18	

Sophomore Year

Chem 215 Qual. Analysis	4	(2,6)	Chem 216 Quan. Analysis	4	(2,6)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Econ 201 Prin. of Economics	3	(3,0)
Math 203 Diff. Calculus	5	(5,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Phys 201 General Physics	3	(3,0)	Math 204 Integral Calculus	5	(5,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Phys 202 General Physics	3	(3,0)
W D 201 Fabric Design	3	(2,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M S. & T.—Basic	1	(2,0)
	20			20	

Junior Year

Chem 331 Physical Chemistry	3	(3,0)	Chem 332 Physical Chemistry	3	(3,0)
Chem 333 Phys. Chem. Lab.	2	(0,6)	Chem 334 Phys. Chem. Lab.	2	(0,6)
Engl 301 Public Speaking	3	(3,0)	Econ 312 Commercial Law	3	(3,0)
T C 305 Textile Chemistry	4	(4,0)	T C 306 Textile Chemistry	4	(4,0)
T C 307 Tex. Chem. Lab.	1	(0,3)	T C 308 Tex. Chem. Lab.	1	(0,3)
Y M 305 Cotton Marketing	1	(0,3)	M S 302 Military Drill	0	(0,3)
M S 301 Military Drill	0	(0,3)	*Approved Electives	6	
*Approved Elective	3				
	17			19	

Senior Year

Chem 431 Colloid Chemistry	2	(2,0)	Chem 432 Colloid Chemistry	2	(2,0)
T C 410 Color Match. & Test.	1	(0,3)	T C 442 Thesis	2	(0,6)
T C 447 Chem. Proc. Tex.	4	(4,0)	T C 452 Chem. Proc. Tex.	4	(4,0)
T C 449 Ch. Pr. Tex. Lab.	1	(0,3)	T C 454 Ch. Pr. Tex. Lab.	1	(0,3)
T C 455 Cellulose Chem.	3	(3,0)	T C 456 Syn. Fbrs. & Fin.	2	(2,0)
T M 462 Textile Microscopy	2	(1,3)	T M 454 Time Study	3	(2,3)
T M 464 Phys. Tex. Testing	2	(1,3)	M S 402 Military Drill	0	(0,3)
M S 401 Military Drill	0	(0,3)	*Approved Elective	5	
*Approved Elective	4				
	19			19	

*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Religion, Sociology, and Textiles; any courses on the Junior-Senior level in Government and History except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:			Other Suggested Electives:		
Ag Ec 401 Statistics	3	(2,3)	Ag Ec 352 Public Finance	3	(3,0)
Arch 409 Art Appreciation	3	(3,0)	Ch En 302 Prin. Chem. Engr.	3	(3,0)
Ch En 301 Prin. Chem. Engr.	3	(3,0)	Ch En 306 Unit Operations	1	(0,3)
Ch En 305 Unit Operations	1	(0,3)	Ch En 406 Ind. Chem. Calc.	2	(2,0)
Ch En 405 Unit Operations	2	(0,6)	Chem 462 Technical Analysis	3	(1,6)
Chem 401 Inorganic Chemistry	3	(3,0)	Chem 472 Organic Synthesis	4	(1,9)
Chem 411 Adv. Quant. Anal.	3	(1,6)	Geog 302 Geopolitics	3	(3,0)
E E 303 Elec. Circuits & Mach.	4	(3,3)	Geol 306 Mineralogy	4	(3,3)
Ent 301 Elem. & Econ. Ent.	3	(2,3)			
Ent 401 Econ. Entomology	3	(2,3)			
Geog 301 Economic Geography	3	(3,0)			

TEXTILE ENGINEERING

Students following the Textile Engineering curriculum receive instruction in basic textile courses for a total of thirty-six college credits; the remainder are in Physics, Mathematics, English, Economics, and Mechanical and Electrical Engineering. Graduates in this course are prepared to enter the research and development fields which are being emphasized by the textile industry, and they are also prepared to go forward with post-graduate studies.

TEXTILE ENGINEERING

Freshman Year

First Semester			*Second Semester*		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)	C E 101 Intro. Surveying	2	(1,3)
Engl 101 Comp. and Lit.	3	(3,0)	or In En 101 Metal Processes	2	(0,6)
In En 101 Metal Processes	2	(0,6)	D D 106 Engr. Drawing	2	(0,6)
or C E 101 Intro. Surveying	2	(1,3)	Engl 102 Comp. and Lit.	3	(3,0)
Math 103 Freshman Math.	5	(5,0)	Math 104 Freshman Math.	5	(5,0)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	17			17	

Sophomore Year

Engl 203 Survey of Engl. Lit.	3	(3,0)	Engl 204 Survey of Eng. Lit.	3	(3,0)
In En 201 Metal Processes	2	(0,6)	Math 204 Integral Calculus	5	(5,0)
Math 203 Diff. Calculus	5	(5,0)	Mech 302 Statics	3	(3,0)
Phys 211 G. Phys. for Engr.	4	(4,0)	Phys 212 G. Phys. for Engr.	4	(4,0)
Phys 213 Gen. Phys. Lab.	1	(0,3)	Phys 214 Gen. Phys. Lab.	1	(0,3)
Y M 201 Blend. & Cleaning	3	(2,3)	Y M 202 Carding	3	(2,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
	19			20	

Junior Year

D D 305 Kinematics of Mach.	2	(1,3)	D D 306 Machine Design	2	(1,3)
E E 307 D. C. Cir. & Mach.	4	(3,3)	E E 308 A. C. Cir. & Mach.	4	(3,3)
Mech 303 Kinetics	3	(3,0)	Mech 304 Mech. of Matr.	3	(3,0)
W D 201 Fabric Design	3	(2,3)	W D 202 Fabric Design	2	(1,3)
W D 205 Cam Loom Mech.	1	(0,3)	W D 206 Cam Loom Mech.	2	(1,3)
Y M 301 Roving Frames	3	(2,3)	Y M 302 Spinning	3	(2,3)
M S 301 Military Drill	0	(0,3)	M S 302 Military Drill	0	(0,3)
*Approved Elective	3		*Approved Elective	3	
	19			19	

Senior Year

Econ 201 Prin. of Economics	3	(3,0)	Econ 312 Commercial Law	3	(3,0)
Engl 301 Public Speaking	3	(3,0)	M E 306 Heat Power	3	(3,0)
M E 305 Heat Power	3	(3,0)	M E 310 Mechanical Lab.	1	(0,3)
M E 309 Mechanical Lab.	1	(0,3)	T M 454 Time Study	3	(2,3)
T M 401 Textile Costing	6	(3,6)	T M 462 Textile Microscopy	2	(1,3)
T M 403 Textile Management	3	(3,0)	T M 464 Phys. Tex. Testing	2	(1,3)
M S 401 Military Drill	0	(0,3)	W D 305 Dobby & Box Mech.	1	(0,3)
*Approved Elective	3		M S 402 Military Drill	0	(0,3)
			*Approved Elective	3	
	21			18	

*Approved Electives:
Any courses beyond those required in Economics, English, Mathematics, Mechanics, Physics, Psychology, Religion, Sociology, and Textiles; any courses on the Junior-Senior level in Government and History; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:		
Ag Ec 401 Statistics	3	(2,3)
Arch 409 Art Appreciation	3	(3,0)
Geog 301 Economic Geography	3	(3,0)
Gov 301 Am. G. & Pol. Par.	3	(3,0)
In En 205 Construction Materials	2	(2,0)
M E 421 Gas Engines	3	(3,0)
M E 423 Gas Engines Design	1	(0,3)
M E 429 Heating and Vent.	2	(2,0)
M E 431 Heat. & Vent. Des.	1	(0,3)

Other Suggested Electives:		
Ag Ec 352 Public Finance	3	(3,0)
E E 320 Electronics	4	(3,3)
Geog 302 Geopolitics	3	(3,0)
In En 302 Welding	2	(1,3)
In En 402 Metallurgy	3	(3,0)
M E 430 Air Conditioning	2	(2,0)
M E 432 Air Cond. Des.	1	(0,3)
M E 434 Refrigeration	2	(2,0)

TEXTILE MANUFACTURING

The Textile Manufacturing curriculum is followed by those textile students who intend to enter the production and management phases of the textile industry. Those students who desire training in the knitting field may elect to take the Knitting Option under Textile Manufacturing during the Junior and Senior years. The curriculum shows that they receive sixty-five of their college credits in subjects taught in the Textile School and that they are well prepared for rapid advancement in textile plants. It is recommended that all textile undergraduates find work in textile mills during summer vacations. This experience always aids them in their upperclass textile courses and also allows the students to make contacts with possible future employers.

TEXTILE MANUFACTURING

Freshman Year

First Semester			*Second Semester*		
Chem 101 General Chemistry	4	(3,3)	Chem 102 General Chemistry	4	(3,3)
D D 105 Engr. Drawing	2	(0,6)	D D 106 Engr. Drawing	2	(0,6)
Engl 101 Comp. and Lit.	3	(3,0)	Engl 102 Comp. and Lit.	3	(3,0)
Gov 101 Am. Nat'l. Gov't.	3	(3,0)	Math 104 Freshman Math.	5	(5,0)
Math 103 Freshman Math.	5	(5,0)	T M 101 Intro. to Textiles	3	(2,3)
M S 101 Military Drill	0	(0,3)	M S 102 Military Drill	0	(0,3)
M S 103 M. S. & T.—Basic	1	(2,0)	M S 104 M. S. & T.—Basic	1	(2,0)
	18			18	

Sophomore Year

Econ 201 Prin. of Economics	3	(3,0)	Econ 202 Prin. of Economics	3	(3,0)
Engl 203 Survey of Engl. Lit.	3	(3,0)	Engl 204 Survey of Engl. Lit.	3	(3,0)
Phys 201 General Physics	3	(3,0)	Phys 202 General Physics	3	(3,0)
Phys 203 Gen. Phys. Lab.	1	(0,3)	Phys 204 Gen. Phys. Lab.	1	(0,3)
W D 201 Fabric Design	3	(2,3)	W D 202 Fabric Design	2	(1,3)
W D 205 Cam Loom Mech.	1	(0,3)	W D 206 Cam Loom Mech.	2	(1,3)
Y M 201 Blend. & Cleaning	3	(2,3)	Y M 202 Carding	3	(2,3)
M S 201 Military Drill	0	(0,3)	M S 202 Military Drill	0	(0,3)
M S 203 M. S. & T.—Basic	1	(2,0)	M S 204 M. S. & T.—Basic	1	(2,0)
	18			18	

Junior Year

Engl 301 Public Speaking	3	(3,0)	Econ 312 Commercial Law	3	(3,0)
T C 301 Textile Chemistry	2	(2,0)	T C 302 Textile Chemistry	2	(2,0)
T C 303 Tex. Chem. Lab.	1	(0,3)	T C 304 Tex. Chem. Lab.	1	(0,3)
W D 301 Fab. Struc. & Des.	2	(1,3)	W D 302 Fab. Analysis	2	(1,3)
W D 305 Dobby & Box Mech.	1	(0,3)	W D 306 Jacquard Mech.	2	(1,3)
W D 309 Knitting	1	(0,3)	Y M 302 Spinning	3	(2,3)
Y M 301 Roving Frames	3	(2,3)	Y M 305 Cotton Marketing	1	(0,3)
M S 301 Military Drill	0	(0,3)	Y M 306 Combing	2	(1,3)
*Approved Electives	6		M S 302 Military Drill	0	(0,3)
			*Approved Elective	3	
	19			19	

Senior Year

Econ 401 Accounting	3	(3,0)	Soc 301 Intro. Sociology	3	(3,0)
T C 401 Chem. Proc. Tex.	2	(2,0)	T C 402 Chem. Proc. Tex.	2	(2,0)
T C 403 Ch. Pr. Tex. Lab.	1	(0,3)	T C 404 Ch. Pr. Tex. Lab.	1	(0,3)
T M 401 Textile Costing	5	(3,6)	T M 454 Time Study	3	(2,3)
T M 403 Textile Management	3	(3,0)	T M 462 Textile Microscopy	2	(1,3)
W D 401 Warp Preparation	2	(1,3)	T M 464 Phys. Tex. Testing	2	(1,3)
M S 401 Military Drill	0	(0,3)	W D 402 Fabric Development	2	(1,3)
*Approved Elective	3		M S 402 Military Drill	0	(0,3)
			*Approved Electives	6	
	19			21	

*Approved Electives:

Any courses beyond those required in Economics, English, Mathematics, Physics, Psychology, Religion, Sociology, and Textiles; any courses on the Junior-Senior level in Education (if nine credits completed, accepting credit for lower course if it is a prerequisite), Government and History except Gov 301; French or Spanish if four semesters completed; German if two semesters completed.

Other Suggested Electives:			Other Suggested Electives:		
Ag Ec 401 Statistics	3	(2,3)	Ag Ec 352 Public Finance	3	(3,0)
Arch 409 Art Appreciation	3	(3,0)			
Geog 301 Economic Geography	3	(3,0)	Geog 302 Geopolitics	3	(3,0)

KNITTING OPTION

This option for the Junior and Senior years has been set up under Textile Manufacturing to embrace every phase of the knitting industry. Students will study such fields as circular body knitting and design, circular hosiery knitting and design, flat and warp knitting, full fashioned knitting, knit garment manufacture, dyeing and finishing of knit goods, and knitting mill practices. Because of the selected courses in this curriculum, students will not only be prepared for the knitting trade, but for almost any other field in textiles, especially yarn manufacturing.

Junior Year

First Semester			*Second Semester*		
Engl 301 Public Speaking	3	(3,0)	Econ 312 Commercial Law	3	(3,0)
Soc 301 Intro. Sociology	3	(3,0)	T C 302 Textile Chemistry	2	(2,0)
T C 301 Textile Chemistry	2	(2,0)	T C 304 Tex. Chem. Lab.	1	(0,3)
T C 303 Tex. Chem. Lab.	1	(0,3)	W D 310 Adv. Hos. Knitting	3	(2,3)
W D 309 Knitting	1	(0,3)	W D 312 Knit. Design & Anal.	2	(1,3)
W D 311 Flat Knitting Mech.	2	(1,3)	Y M 302 Spinning	3	(2,3)
Y M 301 Roving Frames	3	(2,3)	Y M 306 Combing	2	(1,3)
Y M 305 Cotton Marketing	1	(0,3)	M S 302 Military Drill	0	(0,3)
M S 301 Military Drill	0	(0,3)	Approved Elective	3	
Approved Elective	3				
	19			19	

Senior Year

Econ 401 Accounting	3	(3,0)	T C 402 Chem. Proc. Tex.	2	(2,0)
T C 401 Chem. Proc. Tex.	2	(2,0)	T C 404 Ch. Pr. Tex. Lab.	1	(0,3)
T C 403 Ch. Pr. Tex. Lab.	1	(0,3)	T M 403 Textile Management	3	(3,0)
T M 401 Textile Costing	5	(3,6)	T M 462 Textile Microscopy	2	(1,3)
T M 454 Time Study	3	(2,3)	T M 464 Textile Testing	2	(1,3)
W D 411 Full Fashion Knit.	2	(1,3)	W D 410 Body Wear Knit	2	(1,3)
M S 401 Military Drill	0	(0,3)	W D 412 Knit. Garment Mfg.	2	(1,3)
Approved Elective	4		M S 402 Military Drill	0	(0,3)
			Approved Electives	6	
	20			20	

DESCRIPTION OF COURSES

AGRICULTURAL ECONOMICS

Mr. Aull

Mr. Ferrier Mr. Peterson Mr. Bauknight
Mr. Husmann Mr. Stepp

Ag Ec 201—Introduction to Agricultural Economics—3 cr. (3 and 0)

A study of the economics of agricultural production and marketing and of the economic principles that are important in analyzing economic phenomena having direct or indirect effects upon the incomes and living standards of farm people.

Agricultural Economics Staff

Ag Ec 302—Farm Management—4 cr. (3 and 3)

A study of business principles underlying the organization and operation of individual farms. Such factors as proper balance between enterprises and use of sound agronomic principles are considered from the viewpoint of continuous profits. *Prerequisite*: Ag Ec 201

Mr. Husmann Mr. Bauknight

Ag Ec 305—Farm Accounting—2 cr. (1 and 3)

Double-entry bookkeeping is stressed in the foundation of this course. Study is then made of special journals, simplifications for farm record keeping, farm inventories, farm budgets, interpretation of financial statements and the factor method of farm business analysis.

Mr. Ferrier

Ag Ec 309—Agricultural Marketing—3 cr. (2 and 3)

Examination is made of the characteristics of demand for and supply of farm products and the marketing system which brings them together, the changes which are taking place in marketing, and ways and means of narrowing the spread between farm and retail prices. *Prerequisites*: Ag Ec 201 or Econ 201 and Econ 202.

Mr. Ferrier

Ag Ec 352—Public Finance—3 cr. (3 and 0)

A study of the principles of financing government, sources of public revenue, objects of public expenditure, problems of fiscal administration, and the application of fiscal policies in stabilizing the national economy.

Mr. Aull

Ag Ec 356—Agricultural-Industrial Relations—3 cr. (3 and 0)

A study of the ways in which and the degrees to which agriculture and industry are dependent upon each other for sound economic prosperity and development, and of the effects upon agriculture of various types of activities in other segments of the national and international economy. *Prerequisites*: Ag Ec 201 or Econ 201 and 202.

Mr. Stepp

Ag Ec 401—Statistics—3 cr. (2 and 3)

An elementary course dealing with organization and presentation of statistical data, measures of central tendency, sampling, and the usual statistical tests of significance and reliability.

Mr. Peterson

Ag Ec 405—Seminar—1 cr. (1 and 0)

An examination of the relation of economics and sociology to specific problems. *Prerequisite*: Senior standing and major in Agricultural Economics.

Mr. Aull and Staff

Ag Ec 406—Seminar—1 cr. (1 and 0)

A continuation of Ag Ec 405.

Mr. Aull and Staff

Ag Ec 451—Economics of Cooperation—3 cr. (3 and 0)

A study of the principles governing cooperative business enterprise and methods of applying these principles to purchasing, selling, processing, and financing in agriculture. Major emphasis is placed upon the possibilities and limitations of cooperation in increasing the incomes of farmers or rendering them better services for their money. *Prerequisites*: Ag Ec 201 or Econ 201 and Econ 202.

Mr. Ferrier

Ag Ec 452—Agricultural Policy—3 cr. (3 and 0)

A critical examination of government policies and programs affecting agriculture.

Mr. Aull

Ag Ec 455—International Trade—3 cr. (3 and 0)

A study of the principles governing interregional and international trade. Attention is devoted to competition between regions and nations, to regulatory and monetary measures that promote or retard the flow of trade, to the causes and effects of regional and national differences in incomes and levels of living, to the domestic and international effects of various monetary and credit policies, and to the effects of monopoly and government restrictions upon the international price structure of various commodities. *Prerequisite*: Permission of the instructor.

Mr. Stepp

Ag Ec 456—Prices—3 cr. (3 and 0)

A study of the factors affecting prices of farm products and the adjustments necessary to meet price changes, including such topics as prices of farm products in relation to agricultural and industrial conditions, measures of value, parity price concept, and price movements. *Prerequisites*: Ag Ec 201 or Econ 201 and 202, and permission of instructor.

Mr. Peterson

Ag Ec 460—Agricultural Finance—3 cr. (3 and 0)

A critical study of the financial needs of agriculture and of the organization, functions and interrelationships of agencies developed to meet these needs. *Prerequisites*: Ag Ec 201 or Econ 201 and Econ 202.

Mr. Ferrier

Ag Ec 501—Advanced Farm Management—3 cr. (2 and 3)

Study and appraisal of methods of assembling and analyzing information concerning the business of farming. *Prerequisites*: Ag Ec 302 and Ag Ec 401.

Mr. Husmann

Ag Ec 502—Advanced Statistics—3 cr. (2 and 3)

A study of methods used in collecting, analyzing and presenting statistical data, with special emphasis upon economic and sociological problems. *Prerequisite*: Ag Ec 401 or permission of instructor.

Mr. Peterson

Ag Ec 503—Land Economics—3 cr. (3 and 0)

A study of characteristics of land and its relation to population, utilization and public policies.

Mr. Husmann

Ag Ec 505—Economic Theory—3 cr. (3 and 0)

A review of economic principles, a study of the use of theory in the analysis of economic problems, and an appraisal of recent developments in capitalistic economic theory.

Mr. Stepp

Ag Ec 506—Research Methodology—1 cr. (1 and 0)

A critical examination and appraisal of methods and procedures used in economic and social investigations.

Mr. Aull

Ag Ec. 507—Agricultural Marketing Problems—3 cr. (3 and 0)

A study of special problems involved in marketing southern fruits, vegetables, livestock and livestock products. Students will undertake individual assignments in the field of their interest.

Mr. Ferrier

Ag Ec 509—Research in Economic Problems Affecting Agriculture—3 cr.

Ag Ec 510—Research in Economic Problems Affecting Agriculture—3 cr.

A continuation of Ag Ec 509.

AGRICULTURAL ENGINEERING

Mr. Nutt

Mr. McAdams Mr. Hammett Mr. Snell
Mr. Richardson Mr. Rogers

Ag En 201—Farm Machinery—3 cr. (2 and 3)

Construction, adjustment, operation, maintenance and adaptation of farm machinery. Special emphasis is given to production, harvesting and processing problems common to the Southeast.

Mr. Richardson Mr. Hammett Mr. Rogers

Ag En 202—Farm Equipment—3 cr. (2 and 3)

A general study of all equipment used for modern farming practices. Special emphasis is placed on proper selection for the job, adaptation to special conditions, care, adjustments, and operation.

Mr. Rogers

Ag En 203—Agricultural Engineering Problems—2 cr. (1 and 3)

A detailed study of the slide rule to familiarize the student with all the scales and their efficient use. Logical approach to all types of problems will be stressed. Neatness and accuracy in all computations will be emphasized and a review of the application of trigonometric functions and logarithms will be made. *Prerequisite*: Math 103 and 104.

Mr. McAdams Mr. Rogers

Ag En 205—Farm Shop—3 cr. (2 and 3)

To train students in the proper use and maintenance of hand shop tools commonly found on the farm. Principal topics: Measuring and marking, sawing, planing and smoothing, wood chisels and their use, boring and drilling holes, wood fastenings, painting, finishing, glazing, cutting rafters, sharpening tools, bench and vise work, bolt threading, pipe fitting, soldering and farm concrete work. A course for agricultural and agricultural education students.

Mr. McAdams

Ag En 207—Farm Mechanics—2 cr. (1 and 3)

A course in which the student acquires certain skills in the use of all types of tools and equipment necessary for the care and maintenance of farm machines and farm structures.

Mr. McAdams

Ag En 301—Soil Conservation—3 cr. (2 and 3)

Causes, extent and control of erosion; uses of irrigation, layout, construction and maintenance of terrace systems; drainage, elementary surveying. A course for agricultural and agricultural education students.

Mr. Snell

Ag En 304—Rural Electrification—3 cr. (2 and 3)

Distribution and utilization of electrical power on farms and rural areas. Special emphasis is given to adequate wiring and adaptation of electrical appliances to the farm home and in the production and primary processing of farm commodities. *Prerequisite*: E E 303.

Mr. Hammett

Ag En 351—Farm Tractors—3 cr. (2 and 3)

History of the internal combustion engine, principles of operation, power and its measurements, valves, carburetion and fuel injection, ignition systems, engine cooling, clutches, transmissions, brakes, final drives, engine troubles and general repair. Tractor servicing and efficient operation in the field.

Mr. McAdams

Ag En 352—Farm Power—3 cr. (2 and 3)

A detailed study of farm tractors and stationary power units. Principles of operation, preventative maintenance, adjustment and general repair will be emphasized. A course designed for Agricultural and Agricultural Education majors. *Prerequisite*: Ag En 201.

Mr. Rogers

Ag En 401—Soil and Water Conservation Engineering—3 cr. (2 and 3)

The causes, extent, and control of erosion. Embodies study of elementary meteorology and hydrology, critical runoffs, design and construction of water-control structures such as terraces, outlet channels, diversions, reservoirs, spillways, drainage systems. Recommended *prerequisite*: C E 101, Agron 202, and Mech 401.

Mr. Snell

Ag En 402—Drainage and Irrigation—3 cr. (2 and 3)

Survey of areas for drainage rainfall and runoff, drainage requirements, design and construction of open ditch and tile systems. Gravity and sprinkler irrigation systems studied as well as water requirements and the use of pumps. *Prerequisite*: C E 101 and Mech 401.

Mr. Snell

Ag En 406—Advanced Farm Machinery—3 cr. (2 and 3)

This course is designed for seniors majoring in agricultural engineering. Design, development, manufacturing, advertising and sales of farm machinery are considered. *Prerequisite*: Ag En 201 and 351.

Mr. Nutt

Ag En 409—Agricultural Engineering Seminar—1 cr. (1 and 0)

This course is provided to acquaint the student with research technique in the agricultural engineering field. *Prerequisite*: Senior standing in Agricultural Engineering.

Agricultural Engineering Staff

Ag En 410—Agricultural Engineering Seminar—1 cr. (1 and 0)

A continuation of Ag En 409.

Agricultural Engineering Staff

Ag En 451—Farm Structures—3 cr. (2 and 3)

This course is planned to develop within the student an appreciation and understanding of the problems involved in determining the functional requirements of farm structures for livestock, crop storage and processing, as well as the analysis and determination of structural requirements for various types of buildings. The use and workability of materials available for construction of farm buildings are also included. *Prerequisite*: M E 302 and 304.

Mr. Richardson

Ag En 452—Advanced Farm Structures—3 cr. (2 and 3)

A continuation of Ag En 451 with emphasis on farmstead arrangement and layout, design and evaluation of farm structure requirements, bills of materials and specifications. *Prerequisite*: Ag En 451

Mr. Richardson

AGRONOMY

Mr. Cooper
Mr. Collings Mr. J. W. Jones Mr. Shelley
Mr. C. M. Jones

Agron 101—Farm Crops—3 cr. (3 and 0)

A fundamental course in general field crops including the study of the origin, botanical characteristics, varieties, breeding, soil adaptation,

fertilizer requirements, and cultural methods employed in the production of the most important field crops of South Carolina and the United States.

Mr. C. M. Jones

Agron 202—Soils—3 cr. (2 and 3)

A study of the basic principles of soil physics, soil fertility, and soil biology as they apply to the production of crops. The course deals with the soil as a reservoir for water, a medium for root development, a source of nutrients, and a home for organisms. *Prerequisite*: Chem 101 and 102.

Mr. Collings and Staff

Agron 301—Fertilizers and Manures—3 cr. (3 and 0)

A study of the sources, mining and manufacturing, composition, physical characteristics, and use of fertilizers and manures. A detailed study is also made of crop responses to fertilizer use. *Prerequisite*: Agron 202

Mr. Collings

Agron 302—Genetics—3 cr. (2 and 3)

The purpose of this course is to instruct students in the basic principles of genetics. The principal topics studied include heredity and variation, laws of inheritance, physical basis of inheritance, origin of hereditary differences, and the inheritance of quantitative characters.

Mr. J. W. Jones

Agron 306—Forage Crops—3 cr. (3 and 0)

A course dealing with the characteristics of the various forage crops, with emphasis being laid on those grown in this state. These crops are studied with special reference to their adaptations, growing, harvesting, composition, value and uses, and also with reference to their place in our cropping system. *Prerequisite*: Agron 101

Mr. Shelley

Agron 401—Advanced Crop Laboratory—1 cr. (0 and 3)

A study of the laboratory procedures used in field crop laboratories, followed by a detailed study of the morphological characters, classification, and yielding capacities of important varieties of various farm crops. In addition, attention is given to the study of seed laws, market grades of grains, seed germination and purity tests, and weed identification.

Mr. Shelley

AGRON 405—PLANT BREEDING—3 cr. (2 and 3)

The purpose of this course is to present the application of the basic principles of genetics to the improvement of crop plants. Principal topics studied include the genetic and cytogenetic basis of plant breeding, mode of reproduction in relation to breeding methods, technics in selfing and crossing, methods of breeding, inheritance in the major farm crops, and biometrical methods. *Prerequisite*: Agron 302

MR. J. W. JONES

AGRON 409—COTTON AND TOBACCO—3 cr. (3 and 0)

A study of the history, morphology, physiology, fertilization, cultivation, insect and disease control, varieties, breeding, harvesting, grading and marketing of American Upland cotton and flue cured tobacco. The two crops are studied separately, about half a semester being devoted to each. *Prerequisite*: Agron 101

MR. SHELLEY

AGRON 451—MINERAL NUTRITION OF PLANTS—2 cr. (2 and 0)

In this course attention is given to the nutrition of crop plants and the nutrient requirements of various soils for different crops.

MR. COOPER

AGRON 452—SOIL CLASSIFICATION, FERTILITY, AND MANAGEMENT—2 cr. (2 and 0)

An advanced study of soil composition, soil classification, and soil management practices. Attention is given to the subject of physical and chemical composition of the soil, influence of crop rotations and fertilizers on soil productivity, influence of various methods of tillage on crop yields, and a general study is made of those factors essential for the practical utilization of soils. *Prerequisite*: Agron 202, Agron 301, and Major in Agronomy

MR. COLLINGS

AGRON 454—ADVANCED SOIL LABORATORY—1 cr. (0 and 3)

A laboratory course designed to teach students laboratory technique and to make students proficient in making simple physical and chemical determinations of soils. *Prerequisite*: Agron 202

MR. COLLINGS

AGRON 455—SEMINAR—1 cr. (1 and 0)

A study of current agronomic topics of special interest in crop production appearing in recent scientific journals and other publications.

MR. COOPER AND STAFF

AGRON 456—SEMINAR—1 cr. (1 and 0)

A study of the latest published and available unpublished information concerning recent developments in the field of soil science. Topics for discussion are taken from latest published bulletins, reports, and professional magazines.

MR. COLLINGS

AGRON 457—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

The purpose of this course is to instruct students in the methods employed in attacking and solving an agronomic research problem. A suitable research problem is assigned each student for solution. The results of this study are presented in thesis form.

MR. COLLINGS

AGRON 458—INTRODUCTION TO RESEARCH AND THESIS—1 cr. (0 and 3)

A continuation of Agron 457.

MR. COLLINGS

AGRON 501—ADVANCED NUTRITION OF CROPS—3 cr.

A graduate course dealing with the relationships existing between the physical and chemical properties of the various nutrient elements and their absorption and utilization by plants.

MR. COOPER

AGRON 502—ADVANCED PEDOLOGY AND SOIL CLASSIFICATION—3 cr.

A graduate course dealing largely with the factors of soil formation and soil classification. A thorough study is made of such factors of soil formation as parent material, topography, climate, and organisms. Particular attention is given to the classification of Southeastern soils.

MR. COLLINGS

AGRON 503—ADVANCED CROP PRODUCTION—3 cr.

A graduate course dealing with specific problems commonly encountered in the production of crops in the Southeast. Major attention is given to the problems met with in the production of cotton, bright tobacco, corn and oats.

MR. COLLINGS

AGRON 504—ADVANCED PLANT BREEDING AND GENETICS—3 cr.

A graduate course designed to acquaint the student with the best methods now employed in the production and development of superior strains of plants. Visits will be made to neighboring plant breeding establishments and their methods will be observed.

MR. J. W. JONES

AGRON 505—RESEARCH—3 cr.

A graduate course in research methods.

AGRON 506—RESEARCH—3 cr.

A graduate course in research methods.

AIR SCIENCE

MAJ. MYERS

MAJ. HUENERS	1ST LT. DALTON	T/SGT. FRIAS
CAPT. BEAVEN	M/SGT. DAVIS	S/SGT. PERRY
	M/SGT. MEDLOCK	

A S 101—MILITARY DRILL—0 cr. (0 and 3)

Training in military courtesy, customs, discipline, and leadership. Principal topics include: duties of the individual airman, wearing of the uniform, duties of leaders, military commands and orders, guard duty, drill for foot troops, with and without arms, mechanics, characteristics and care of rifle, carbine and pistol, military formations and ceremonies.

STAFF

A S 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of A S 101. Principal additional topics include formal military ceremonies, development of the command voice and formal and informal guard mount.

STAFF

A S 103—Air Science and Tactics—1 cr. (2 and 0)

General instruction in military subjects. Principal topics include military policy of the United States, National Defense Act and ROTC, geographical foundations of national power, military organization, mobilization, demobilization and hygiene and first aid.

Major Myers

A S 104—Air Science and Tactics—1 cr. (2 and 0)

A continuation of A S 103. Principal topics include military problems of the United States, psychology and personnel management, maps, and aerial photographs. *Prerequisite*: A S 103

Major Myers

A S 201—Military Drill—0 cr. (0 and 3)

A continuation of A S 102.

Staff

A S 202—Military Drill—0 cr. (0 and 3)

A continuation of A S 201.

Staff

A S 209—Air Science and Tactics—1 cr. (2 and 0)

An introduction to air force specialized subjects including aerodynamics, propulsion, weather, navigation and applied air power. *Prerequisite*: A S 104

Captain Beaven Lt. Dalton

A S 210—Air Science and Tactics—1 cr. (2 and 0)

A continuation of A S 209. Principal topics include an introduction to aircraft maintenance engineering, the maintenance mission, reciprocating engines, compound engines, and jet propulsion engines. *Prerequisite*: A S 209

Captain Beaven Lt. Dalton

A S 301—Military Drill—0 cr. (0 and 3)

A continuation of A S 202. Principal additional topics include voice, command and psychology of leadership.

Staff

A S 302—Military Drill—0 cr. (0 and 3)

A continuation of A S 301.

Staff

A S 309—Air Science and Tactics—3 cr. (4 and 0)

Theoretical and practical training in subjects pertaining to aircraft maintenance engineering. Principal topics include psychology of leadership, aircraft structures and component parts, maintenance and inspection procedures, technical publications, aircraft instruments, propellers, and electrical systems. *Prerequisite*: A S 210

Captain Beaven

A S 310—Air Science and Tactics—3 cr. (4 and 0)

A continuation of A S 309. Principal topics include aircraft fuel, oil and hydraulic systems, air operations and logistics. *Prerequisite*: A S 309

Captain Beaven

A S 401—Military Drill—0 cr. (0 and 3)

A continuation of A S 302.

Staff

A S 402—Military Drill—0 cr. (0 and 3)

A continuation of A S 401.

Staff

A S 409—Air Science and Tactics—3 cr. (4 and 0)

Theoretical and practical training designed to qualify the Air ROTC student as an aircraft maintenance engineering officer. Principal topics include military administration, air force supply, ground service equipment and organization and field maintenance. *Prerequisite*: A S 310

Lt. Dalton

A S 410—Air Science and Tactics—3 cr. (4 and 0)

A continuation of A S 409. Principal topics include military teaching methods, air force management, engine operation, cruise control, test flight and the air inspector. *Prerequisite*: A S 409

Lt. Dalton

ANIMAL HUSBANDRY

Mr. Starkey

*Mr. Ritchie Mr. Godley Mr. Wheeler

Mr. Cook *Mr. Richardson

A H 101, 103—Types and Breeds—3 cr. (2 and 3)

A study of types, breeds, and market classes of beef cattle, horses, sheep, and swine. In laboratory the judging of farm animals is given considerable emphasis.

Mr. Godley

A H 301—Feeds and Feeding—3 cr. (3 and 0)

A study of feed nutrients, digestion, metabolism of feed stuffs, nutritive ratios, feeding standards, and the balancing of rations. *Prerequisite*: A H 101, 103 and Chem 220.

Mr. Cook

A H 303—Feeds and Feeding Laboratory—1 cr. (0 and 3)

Practical work in mixing and balancing rations and identifying feed stuffs. *Prerequisite*: A H 101, 103 and Chem 220

Mr. Cook

A H 306—Judging—1 cr. (0 and 3)

Judging classes of cattle, horses, sheep, and swine. An advanced course in the selection and judging of breeding and fat animals. *Prerequisite*: A H 101 and 103

Mr. Cook

A H 310, 314—Pork Production—3 cr. (2 and 3)

Feeding, breeding, management, and marketing of hogs. Emphasis is placed on winter and summer forages, protein supplements, mineral mixtures, and sanitation. *Prerequisite*: A H 301

Mr. Starkey

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*On leave

A H 312—Breeds of Livestock—2 cr. (2 and 0)

A study of the origin, characteristics, and adaptability of the different breeds of livestock: beef cattle, swine, sheep and horses. *Prerequisite*: A H 101 and 103

Mr. Cook

A H 401, 403—Beef Production—3 cr. (2 and 3)

A study of the early history of beef production, beef production in foreign countries, relation of beef production to general farming, most profitable feeds for beef production, methods of breeding to improve beef cattle, and management of the purebred herd. *Prerequisite*: A H 301

Mr. Starkey

A H 402—Horse and Sheep Production—3 cr. (3 and 0)

A study of the breeding, feeding, training, stabling, and care of horses. Also a study of the breeding, feeding, shearing, and marketing of sheep. The adaptability of breeds. Parasites and diseases. *Prerequisite*: A H 301

Mr. Godley

A H 405—Advanced Judging—1 cr. (0 and 3)

A continuation of A H 306 designed for students who are interested in participating in judging contests or in receiving special training in the selection of breeding stock. *Prerequisite*: A H 306

Mr. Cook

A H 406—Seminar—2 cr. (2 and 0)

Special problems in animal production. Each student is given a subject on which he makes weekly reports of progress before the seminar group. A thesis is required. *Prerequisite*: A H 301

Mr. Starkey

A H 451—Advanced Feeds—2 cr. (2 and 0)

A study of the relative values of the different feeds used in livestock production. The nutrient requirements of the different classes of livestock, and the digestible nutrients in our most common feeds. The balancing of rations for all classes of livestock. *Prerequisite*: A H 301

Mr. Starkey

A H 452, 454—Animal Breeding—3 cr. (2 and 3)

A study of the fundamental principles relating to the breeding and improvement of livestock including variation, heredity, selection, line-breeding, inbreeding, cross-breeding, breed analysis, and other related subjects. *Prerequisite*: Dairy 301 or Agron 302

Mr. Godley

A H 455—Farm Meats—2 cr. (0 and 6)

A study of the selection and killing of meat animals and the cutting, curing, and preservation of farm meats. Also the production, judging, and consumption of farm meats. *Prerequisite*: A H 101 and 103

Mr. Wheeler

A H 456, 458—Advanced Meats—2 cr. (1 and 3)

A study of the retail and wholesale cuts of meat; the making of sausage and meat specialities; and meat hygiene. *Prerequisite*: A H 455

Mr. Wheeler

A H 501—Animal Histology—3 cr. (2 and 3)

This course is to acquaint the student with the microscopic structures of the tissues and organs of the animal body. The relation of histology to physiology and pathology is considered. *Prerequisite*: Zool 101 and 103

Animal Husbandry Staff

A H 502—Animal Husbandry Research—2 cr. (1 and 3)

Special problems conducted by the student, consisting of lectures, assignments, and laboratory.

Mr. Starkey

ARCHITECTURE

Mr. Gates

Mr. St. Hubert	Mr. McMillin	Mr. Booker
Mr. Longstreet	Mr. Petroff	Mr. McCulloch
Mr. Dillon	Mr. Putnam	Mr. Wilkins
Mr. Hodge	Mr. Shepard	

Arch 101—Elements of Design—2 cr. (0 and 6)

This course acquaints the beginner with the fundamentals of architecture, in which an effort is made to give an accurate picture of the profession

of architecture. Basic training is given in graphics, descriptive geometry, and abstract design. Graphics includes an elementary study of plans, details, lettering, drafting, and a brief study of the orders. Descriptive geometry embraces the study of planes, projections, true lengths of lines, isometric drawings, and sections.

Mr. Shepard

Arch 102—Arch Design—3 cr. (0 and 9)

The design of simple buildings to be developed in the terms of basic elements of circulation, functional relationship of rooms and space as well as interior and exterior appearance. *Prerequisite*: Arch 101

Mr. Shepard

Arch 105—Freehand Presentation—3 cr. (0 and 9)

To give the student a thorough working knowledge of the principles of freehand and mechanical perspective, shades and shadows, and presentation of work. A drafting and sketching technique is stressed with the medium of pencil.

Mr. Hodge Mr. McCulloch

Arch 106—Freehand Representation—2 cr. (0 and 6)

Freehand sketching and presentation in black and white mediums.

Mr. Hodge Mr. McCulloch

Arch 201—Architectural Design—4 cr. (0 and 12)

Design of simple structures with emphasis on the basic elements of circulation, functional relationship of rooms, spaces, and services, interior and exterior appearance. *Prerequisite*: Arch 105 and 106

Mr. Wilkins

Arch 202—Architectural Design—4 cr. (0 and 12)

A continuation of Arch 201.

Mr. Petroff

ARCH 205—ELEMENTARY WATER COLOR—2 cr. (0 and 6)

The fundamental use of color, composition and technique, giving the student a thorough background with emphasis on architectural delineation. *Prerequisite*: Arch 105

MR. PETROFF

ARCH 206—ADVANCED WATER COLOR—1 cr. (0 and 3)

This course is designed to give advanced students various exercises in color presentation. Water color and tempera are used with architectural presentation in mind. *Prerequisite*: Arch 205

MR. PETROFF

ARCH 215—BUILDING MATERIALS—2 cr. (2 and 0)

To give the student a knowledge of materials used in building construction. The course is designed to trace the building material from its source as a raw material, through its manufacturing processes, and to its uses in the various types of buildings. Field inspection trips to manufacturing processes, and to its uses in the various types of buildings. Field inspection trips to manufacturing plants of building materials are a part of this course.

MR. MCMILLIN

ARCH 216—BUILDING DESIGN—2 cr. (2 and 0)

To familiarize the student with the construction of the small dwelling. The course begins with the selection of the site and embraces all the necessary steps and methods of construction, terminating with the completed structure. Inspection trips to dwellings under construction are part of this course.

MR. DILLON

ARCH 301—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

Problems involving planning, elevation and mass composition in Architecture. Work includes the planning of public buildings, with emphasis on function, studies in entourage, elements of landscape with relation to plan and elevation, interior architecture, indication and presentation sketch problems. *Prerequisite*: Arch 202

MR. DILLON MR. SHEPARD

ARCH 302—ARCHITECTURAL DESIGN—5 cr. (0 and 15)

A continuation of Arch 301.

MR. DILLON MR. SHEPARD

ARCH 305—DELINEATION—1 cr. (0 and 3)

The study and execution of various types of presentations, watercolor, tempera, ink and pencil. This course is designed to familiarize the student with the possibilities offered by the medium with relation to architectural presentation.

MR. MCCULLOCH

ARCH 306—DELINEATION—1 cr. (0 and 3)

A continuation of Arch 305. *Prerequisite*: Arch 305

MR. MCCULLOCH

ARCH 309—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

To acquaint the student with the development of architecture, from prehistoric to Romanesque time, as a problem both of construction and aesthetics. Influence of various geographic, geological, social, and psychological factors; structural problems and their solution, post and lintel, arch, vault, pendentive, dome; planning problems and their solution; temples, churches, public buildings; decorative problems and their solution, as revealed in the buildings of the Egyptian, Greek, Roman, Early Christian and Byzantine periods, are topics covered.

MR. ST. HUBERT

ARCH 310—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 309. A study of the Romanesque period, its spread through western Europe as a system of building of great variety which preceded the organic Gothic of the Ile-de-France. The revival of classic form in Italy during the Renaissance, the spread of the Renaissance in England and France. *Prerequisite*: Arch 309

MR. ST. HUBERT

ARCH 317—WORKING DRAWINGS—2 cr. (1 and 3)

Drafting room practice. Methods, materials, and details relating to the construction used in residence and preparation of working drawings for a small frame building. Problems in estimating and quantity survey of building costs and cost analysis of a building. *Prerequisite*: Arch 215 and 216

MR. DILLON

ARCH 318—WORKING DRAWINGS—2 cr. (1 and 3)

A continuation of Arch 317. The preparation of complete working drawings of a brick or stone veneer building. *Prerequisite*: Arch 317

MR. MCMILLIN

ARCH 401—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

The designing of complex buildings, site and group planning; analysis and development of the plan and design problem from its most elemental to its final form; and sketch problems. *Prerequisite*: Arch 302.

MR. LONGSTREET

ARCH 402—ARCHITECTURAL DESIGN—6 cr. (0 and 18)

A continuation of Arch 401 to include advanced problems in design, elements of civic planning, composition of involved types of buildings or groups of building, housing, and landscaping.

MR. GATES

ARCH 408—INDUSTRIAL DESIGN—1 cr. (0 and 3)

To give the student the fundamentals in design of simple pieces of furniture as worked out on the drafting table. The student is given practice in making detail drawings of chairs, tables, metal work. *Prerequisite*: D D 106

MR. MCCULLOCH

ARCH 409—ART APPRECIATION—3 cr. (3 and 0)

To give the student a general idea of the field of art, to develop knowledge and taste through contact with the best examples. Principal topics covered are: Periods of styles of architecture, painting, sculpture, ornament, decorative and interior composition, furniture, given by lecture and lantern slides.

MR. ST. HUBERT

ARCH 411—HISTORY OF ARCHITECTURE—2 cr. (2 and 0)

To acquaint the student with the development of Architecture from the Renaissance period in France and England to modern time, as a problem both of construction and aesthetics and with the influence of various geological, social and psychological factors. The topics are: First, the

Colonial period; a summary in North American architecture followed by a thorough study of the same period in South Carolina. Second, the National period; Classicism, Romanticism, Romanesque phase, classical phase, Gothic phase, Functionalism, beginning and development of modern architecture. *Prerequisite*: Arch 210

Mr. St. Hubert

Arch 412—History of Architecture—3 cr. (3 and 0)

History of Art considered as an insight into a moving process of life and presented both by argument and by objective evidence. Its oldest expression, evolution similarities, influences and reactions are considered in order to arrive at a true and complete understanding of the growth of the new tradition in architecture, showing its interrelations with city planning, painting, and science.

Mr. St. Hubert

Arch 415—Building Design—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

Mr. McMillin

Arch 416—Specifications and Professional Practice—2 cr. (2 and 0)

To give the student a general knowledge of the organization and development of specifications, in relation to working drawings, as prepared in the practicing architect's office. Course includes a final specification as a term paper.

Mr. Longstreet

Arch 417—Working Drawings—2 cr. (0 and 6)

Drafting room practice. The preparation of complete working drawings as done in an architect's office. Structural analysis, design, and detailing of steel and concrete, columns, trusses, etc., as encountered in architectural constructions.

Mr. McMillin

ARCH 418—CONSTRUCTION—2 cr. (2 and 0)

Properties of steel, concrete, design and detail of steel and reinforced concrete beams, slabs, columns, walls, and footings used in concrete construction.

MR. MCMILLIN

ARCH 419—MECHANICAL PLANT—2 cr. (1 and 3)

Problems involved in the installation, operation, and supervision of heating, lighting, plumbing, air conditioning, elevator and other service equipment in modern building.

MR. MCMILLIN

ARCH 420—MECHANICAL PLANT—2 cr. (1 and 3)

A continuation of Arch 419. *Prerequisite*: Arch 419

MR. MCMILLIN

ARCH 425—BUILDING DESIGN—2 cr. (2 and 0)

To give the student a working knowledge of reinforced concrete and steel structural systems. Course includes lectures accompanied by drafting in connection with the various structural details. Field trips to buildings of these types under construction are part of this course.

MR. MCMILLIN

ARCH 427—WORKING DRAWINGS—4 cr. (1 and 9)

Drafting room practice. The student is required to make a complete set of architectural working drawings of reinforced concrete or steel framed building as prepared in the practicing architect's office.

MR. MCMILLIN

ARCH 428—WORKING DRAWINGS—4 cr. (1 and 9)

A continuation of Arch 427 with emphasis on the addition of details such as door and window details, wall sections, and details of other parts of the building.

MR. MCMILLIN

ARCH 431—ARCHITECTURAL DESIGN AND CITY PLANNING—7 cr. (0 and 21)

The advanced design of large buildings, projects and the development of the plans of a small city, which will entail research and field trips. Seminars are included in this course.

MR. GATES

ARCH 432—ARCHITECTURAL DESIGN—7 cr. (0 and 21)

A continuation of Arch 431, with the final preparation for entering the field of architecture. A thesis is required. *Prerequisite*: Arch 402 and 431

MR. GATES

ARCH 439—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

To give the student an insight into the future of the profession which lies in the field of organic town design. The architecture of tomorrow is based on the fundamental fact that architecture is a social and organic art form with the aim of creating about men a culturally healthy environment.

MR. ST. HUBERT

ARCH 440—HISTORY OF ARCHITECTURE—3 cr. (3 and 0)

A continuation of Arch 439. To lead the student to perceive the whole of man's physical accommodation from the intimacy of the room to the very complex problem of the large metropolis, and learn to express by means of architectural language the way in which we live today in our homes, villages, towns and cities; to develop student's initiative. *Prerequisite*: Arch 439.

MR. ST. HUBERT

ARCH 445—CONSTRUCTION—1 cr. (0 and 3)

The advanced design of structural elements and working drawings entailing the use of reinforced concrete and steel in the modern building construction. Studies of the various construction systems and field trips are included in this course.

MR. DILLON

ARCH 446—CONSTRUCTION—1 cr. (0 and 3)

A continuation of Arch 445. *Prerequisite*: Arch 445

MR. DILLON

ARCH 452—THESIS—3 cr. (3 and 0)

MR. GATES

BACTERIOLOGY

MR. RUSH MR. VAN ESELTINE

BACT 301, 303—GENERAL BACTERIOLOGY—4 cr. (3 and 3)

Morphology, classification, distribution, cultivation, observation, and physiology of microorganisms; effects of organisms on their environment; microorganisms and health. *Prerequisite*: Bot 101, 103; Chem 101, 102

MR. RUSH MR. VAN ESELTINE

BACT 402, 404—DAIRY BACTERIOLOGY—3 cr. (2 and 3)

Bacterial counts on milk, milk fermentations, contamination of milk and cream, reducing the contamination of milk, growth of microorganisms in milk and cream, spread of diseases through milk and its derivatives; preservation of milk and cream, bacteriology of prepared milks, ice cream, butter cultures, fermented milks, butter, cheese, tests for the quality of milk and cream. *Prerequisite*: Bact. 301 and 303

MR. RUSH MR. VAN ESELTINE

BACT 406, 408—SANITARY BACTERIOLOGY—4 cr. (3 and 3)

This course is designed primarily for Engineering students. After a consideration of the fundamentals of bacteriology, the course is designed to give a knowledge of the relation of bacteriology to water purification and sewage disposal. *Prerequisite*: Chem 101 and 102

MR. RUSH MR. VAN ESELTINE

BACT 410, 412—SOIL MICROBIOLOGY—3 cr. (2 and 3)

The role of microbes in the decomposition of organic substances, transformation of nitrogen, transformation of mineral substances in soil by the action of microorganisms, interrelationships between higher plants and soil microorganisms, modification of the soil population, importance of microbes in soil fertility. *Prerequisite*: Bact 301 and 303

MR. RUSH MR. VAN ESELTINE

BOTANY

Mr. Armstrong
Mr. Rosenkrans Mr. Mathews Mr. Whitney
Mr. Rutledge

Bot 101, 103—General Botany—4 cr. (3 and 3)

The first part of the semester is devoted to a study of the form, structure, and physiology of the higher plants, followed by a study of algae, bacteria, fungi, liverworts, mosses, and ferns, with the application of the biological laws. Descriptions, life histories and adaptation of the representative organisms are considered.

Mr. Rosenkrans Mr. Mathews Mr. Rutledge Mr. Whitney

Bot 351, 353—Plant Morphology—4 cr. (2 and 6)

A study of the structure of vegetative and reproductive parts of plants representing most of the major groups except the fungi. Most of the time is spent on the higher vascular plants. *Prerequisite*: Bot 101 and 103

Mr. Rutledge

Bot 352, 354—Plant Physiology—4 cr. (3 and 3)

A study of all the relations and processes which have to do with the maintenance, growth, and reproduction of plants. Principal topics are absorption of matter and energy, water relations of the plant, utilization of reserve products and liberation of energy, growth, movement and reproduction. *Prerequisite*: Bot 101 and 103; Chem 101 and 102; Phys 201 and 203 or Phys 211 and 213

Mr. Whitney

Bot 355—Histology—2 cr. (0 and 6)

This course gives the student a knowledge of the principles of fixing, cutting, and staining plant tissues and the various other processes of microtechnique as well as their application to specific forms of plants. *Prerequisite*: Bot 101 and 103; Chem 101 and 102

Mr. Rosenkrans

Bot 356, 358—Taxonomy—3 cr. (1 and 6)

The identification, classification, distribution, and interrelationship of flowering plants with particular emphasis on the flora of South Carolina. Laboratory work includes a study of native trees and shrubs in winter condition, the collection and identification of local plants, and the preparation of a small herbarium. *Prerequisite*: Bot 101 and 103

Bot 401, 403—Plant Pathology—3 cr. (2 and 3)

To acquaint the student with the major plant diseases of the South, symptoms of the diseases, the nature of the causal agencies or factors, and methods of control. *Prerequisite*: Bot 101 and 103

Mr. Armstrong Mr. Mathews

Bot 402, 404—Economic Botany—3 cr. (2 and 3)

A study of plants and plant products and their relationship to human history and contemporary life. Sources of plant products, especially those outside the scope of courses in Agronomy and Horticulture, such as woods, resins, tanning materials, rubber, textiles, cereals, sugar, oils, fruits, spices, beverages and drugs. Library research, periodic reports, and the examination of special material replace formal laboratory work. *Prerequisite*: Bot 101 and 103. Other students who present evidence of good scholarship may elect.

Bot 405—Seminar and Thesis—2 cr. (1 and 3)

Mr. Armstrong

Bot 406—Seminar and Thesis—2 cr. (1 and 3)

Mr. Armstrong

Bot 451, 453—Morphology of the Fungi—3 cr. (2 and 3)

A course to acquaint the student with the morphology and taxonomy of the fungi through lectures, reports, laboratory work, and field trips. Special attention is devoted to practice in the methods of pure culture as they apply to the different saprophytic and parasitic forms. *Prerequisite*: Bot 101, 103; Bot 401, 403.

Mr. Mathews

Bot 452, 454—Ecology—4 cr. (2 and 6)

A study of the fundamental principles of the relations between plants and environmental conditions. Special attention is given to ecological relationships and problems in this region. *Prerequisite*: *Bot* 101, 103

Mr. Rutledge

Bot 501—Methods of Research in Plant Physiology—3 cr. (2 and 3)

A theoretical and practical study of methods used in investigations of physiological processes and the factors influencing those processes. Topics

include sand and solution culture methods, measurement and control of soil water content, atmospheric humidity and radiant energy, and determinations of osmotic quantities, hydrogen ion concentration, and metabolic processes. *Prerequisite*: Bot 352, 354; Chem 101, 102; Phys 201, 202, 203, 204

MR. WHITNEY

BOT 503—ADVANCED PLANT PATHOLOGY—4 cr. (3 and 3)

An advanced study including epiphytology and etiology of diseases of plants, nature of parasitism and resistance and training in laboratory methods. *Prerequisite*: Bot 401, 403

MR. ARMSTRONG

CERAMIC ENGINEERING

MR. ROBINSON MR. BICKELHAUPT

CR EN 202—CERAMIC MATERIALS—2 cr. (2 and 0)

A study of the occurrence, mining, and properties of clays and ceramic minerals. *Prerequisite*: Geol 406

CR EN 301—THE DRYING AND FIRING OF CERAMIC PRODUCTS—5 cr. (3 and 6)

A study of the theory, equipment and control of the drying and firing processes. *Prerequisite*: Cr En 202, Phys 212 and 214

CR EN 303—CERAMIC PRODUCTS—2 cr. (2 and 0)

This course is intended as an elective course for architects, architectural, chemical, civil, electrical, and mechanical engineers to acquaint them with the various ceramic products used in their professions. The properties of such products as structural, refractories, electrical insulators and the ceramic components of internal combustion engines are included in this course.

CR EN 401—SILICATES—5 cr. (3 and 6)

A study of the fundamental principles underlying the composition and production of whitewares, glazes, glasses, cements and abrasives. A comprehensive study of ceramic calculations and their application to the preparation of ceramic bodies is included together with the theory and applications of temperature measuring equipment. *Prerequisite*: Cr En 301

Cr En 402—Refractories—3 cr. (3 and 0)

A study of refractory materials, the manufacture of refractory products, and the use of refractories in industrial furnaces. *Prerequisite*: Cr En 401

Cr En 404—Enamels—3 cr. (3 and 0)

A study of the raw materials, methods of manufacture, and properties of porcelain enamel coatings for metals. *Prerequisite*: Cr En 401

Cr En 405—Plant Design—3 cr. (0 and 9)

The application of the fundamentals of ceramic engineering to specific problems in plant design. *Prerequisite*: Senior Standing in Ceramic Engineering.

Cr En 406—Ceramic Project—2 cr. (0 and 6)

The completion of an original research into a ceramic problem. *Prerequisite*: Cr En 401

Cr En 408—Plant Design—2 cr. (0 and 6)

A continuation of Cr En 405. *Prerequisite*: Cr En 401

CHEMICAL ENGINEERING

Mr. Berne-Allen Mr. Littlejohn

Ch En 202—Introduction to Chemical Engineering—3 cr. (3 and 0)

This course introduces English units for engineering calculations, dimensional analysis, chemical engineering methods of calculation, and the fundamental principles of fluid transportation. *Prerequisite*: Second-semester Sophomore standing in Chemical Engineering.

Mr. Berne-Allen

Ch En 301—Principles of Chemical Engineering—3 cr. (3 and 0)

An introduction to the general principles of Chemical Engineering and a study of the following unit operations: Fluid Flow, Heat Transmission and Evaporation. Special emphasis is placed on theory and its practical application. This is accomplished through the presentation of comprehensive calculations. *Prerequisite*: Junior standing in Chemical Engineering.

Mr. Berne-Allen

CH EN 302—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations based on diffusion: Humidification and Air Conditioning, Drying and Distillation. Special attention is given to theories involved and practical applications thereof. Theory is correlated with practice by the solution of comprehensive problems. *Prerequisite*: Ch En 301

MR. LITTLEJOHN

CH EN 305—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 202 and 301 in which theory is related to practical application by actual operation of equipment and the preparation of technical reports thereon. *Prerequisite*: Junior standing in Chemical Engineering.

MR. BERNE-ALLEN

CH EN 306—UNIT OPERATIONS—1 cr. (0 and 3)

A laboratory course dealing with subjects covered in Ch En 302 in which theory is related to practical application by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite*: Ch En 305

MR. LITTLEJOHN

CH EN 401—PRINCIPLES OF CHEMICAL ENGINEERING—3 cr. (3 and 0)

A study of the following unit operations: Gas Absorption and Solvent Extraction, Filtration, Crystallization, Mixing, Conveying, Size Reduction and Size Separation. Special emphasis is placed on theory and its practical application. Theory is related to practice by solution of comprehensive problems. *Prerequisite*: Ch En 301 and 302

MR. LITTLEJOHN

CH EN 403—CHEMICAL INDUSTRIES—3 cr. (3 and 0)

A study of various chemical industries. Economics and the interrelation of unit operations and unit processes are considered. Attention is given to the dependence of each industry on the chemical field as a whole. *Prerequisite*: Senior standing in Chemical Engineering.

MR. BERNE-ALLEN

Ch En 404—Chemical Industries—3 cr. (3 and 0)

A continuation of Ch En 403. *Prerequisite*: Ch En 403

Mr. Berne-Allen

Ch En 405—Unit Operations—2 cr. (0 and 6)

A laboratory course dealing with subjects covered in Ch En 401 in which theory is related to practice by actual operation of equipment. Stress is laid on writing of technical reports. *Prerequisite*: Ch En 306

Mr. Littlejohn

Ch En 406—Industrial Chemical Calculations—2 cr. (2 and 0)

A course in the solution of stoichiometric problems on the plant scale. *Prerequisite*: Ch En 301 and 302

Mr. Berne-Allen

Ch En 409—Plant Design—2 cr. (0 and 6)

A detailed study of the design of a chemical plant involving such factors as process to be employed, equipment selection, specification writing and cost accounting, and plant location. *Prerequisite*: Senior standing in Chemical Engineering.

Mr. Littlejohn

Ch En 410—Plant Design—2 cr. (0 and 6)

A continuation of Ch En 409. *Prerequisite*: Ch En 409

Mr. Littlejohn

Ch En 412—Thesis—3 cr. (0 and 9)

The solution of a research problem in Chemical Engineering chosen by the student. A written report is required in which special emphasis is laid upon originality of thought, method of attack, discussion of results and conclusions. *Prerequisite*: Senior standing in Chemical Engineering

Mr. Berne-Allen Mr. Littlejohn

Ch En 415—Chemical Engineering Seminar—0 cr. (1 and 0)

A discussion period for exchange of ideas between students and instructors. Current problems and new trends in theoretical and practical chemical engineering are discussed. *Prerequisite*: Senior standing in Chemical Engineering.

Mr. Berne-Allen Mr. Littlejohn

Ch En 416—Chemical Engineering Seminar—0 cr. (1 and 0)

A continuation of Ch En 415. *Prerequisite*: Ch En 415

Mr. Berne-Allen Mr. Littlejohn

CHEMISTRY

Mr. Hunter

Mr. Carodemos	Mr. Brownley	Mr. Gerritsen
Mr. Mitchell	Mr. Dinwiddie	Mr. Guest
Mr. Pollard	Mr. Hobson	Mr. Lewis
Mr. Polk	Mr. Hodges	Mr. Salley
Mr. Schirmer	Mr. Mauldin	Mr. Williams

Chem 101—General Chemistry—4 cr. (3 and 3)

To give the student a general knowledge of the fundamentals of the science of chemistry through lectures, lecture experiments, and laboratory exercises. Consideration is given to the common substances.

Mr. Polk and Staff

Chem 102—General Chemistry—4 cr. (3 and 3)

A continuation of Chem 101.

Mr. Hunter and Staff

Chem 103—General Chemistry—4 cr. (3 and 3)

This course is required of students majoring in Chemistry, Chemical Engineering, Textile Chemistry or Pre-Medicine. It is similar to Chem 101, except that it gives a more thorough covering of those fundamentals which are necessary for advanced work in Chemistry.

Mr. Brownley and Staff

CHEM 104—GENERAL CHEMISTRY—4 cr. (3 and 3)

A continuation of Chem 103.

MR. BROWNLEY AND STAFF

CHEM 211—QUALITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Qualitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 215 except that the theoretical principles are developed in less detail. Greater emphasis is placed on those principles more likely to be encountered in medical work. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

CHEM 212—QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

A course in Quantitative Analysis, designed especially for pre-medical students, which is essentially the same as Chem 216 except that the theoretical principles are developed in less detail. Greater emphasis, both in theory and laboratory work, is placed on those analyses which are more applicable to medical work. *Prerequisite*: Chem 211 or 215.

MR. SCHIRMER

CHEM 215—QUALITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Qualitative Analysis and their application in the systematic separation and identification of the common cations and anions in the laboratory. The topics discussed are: chemical equilibrium and the law of mass action, solution and ionization, solubility product, hydrolysis and complex ions. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. SCHIRMER

CHEM 216—QUANTITATIVE ANALYSIS—4 cr. (2 and 6)

A study of the fundamental principles of Quantitative Analysis and their application in the analysis of unknown mixtures in the laboratory. Standard volumetric and gravimetric procedures are employed. *Prerequisite*: Chem 215.

MR. SCHIRMER

CHEM 220—AGRICULTURAL ORGANIC CHEMISTRY—4 cr. (3 and 3)

A study of fundamentals of organic chemistry which will aid the student of agriculture to understand the various biochemical reactions which are involved in the study of plant and animal nutrition. *Prerequisite*: Chem 101 and 102.

MR. MAULDIN

CHEM 221—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

A thorough study of the aliphatic compounds with special emphasis upon structural characteristics of the various classes. In the laboratory, typical compounds are prepared in which techniques, purity and yield are stressed. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. CARODEMOS MR. DINWIDDIE

CHEM 222—ELEMENTARY ORGANIC CHEMISTRY—5 cr. (3 and 6)

The alicyclic, heterocyclic, and aromatic compounds are thoroughly studied. Typical members of these series of compounds are synthesized in the laboratory in which technique, purity and yield are stressed. *Prerequisite*: Chem 221.

MR. CARODEMOS MR. DINWIDDIE

CHEM 312—GAS AND FUEL ANALYSIS—3 cr. (1 and 6)

A study of the composition and combustion of solid, liquid and gaseous fuels, and of the products of combustion. The laboratory work consists of analyses of solid and gaseous fuels, calorimetry, and testing of fuel and lubricating oils. *Prerequisite*: Chem 101 and 102, or 103 and 104.

MR. BROWNLEY

CHEM 321—QUALITATIVE ORGANIC ANALYSIS—4 cr. (2 and 6)

The systematic identification of pure organic compounds and mixtures.

MR. DINWIDDIE

CHEM 331—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A study of the theories and behavior of gases, liquids, solids and solutions. *Prerequisite*: Math 203 and 204, Chem 212 or 216, Chem 221 (may be taken at the same time).

MR. POLLARD

CHEM 332—PHYSICAL CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 331, including the study of chemical equilibrium, the phase rule, chemical kinetics and elementary electrochemistry.

MR. POLLARD

CHEM 333—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

Laboratory course to accompany Chem 331. Experimental studies of the physico-chemical behavior of gases, liquids, solids and solutions.

MR. HOBSON

CHEM 334—PHYSICAL CHEMISTRY LABORATORY—2 cr. (0 and 6)

A continuation of Chem 333 to accompany Chem 332. Studies of chemical equilibria, reaction rates, phase systems and electrochemical measurements.

MR. HOBSON

CHEM 336—PHYSICAL CHEMISTRY—5 cr. (3 and 6)

A study of the theories and behavior of gases, liquids, solids and solutions as related to the ceramic industry.

CHEM 401—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A comprehensive survey of the field of inorganic chemistry through lectures and lecture experiments. Development of modern theories of atomic structure and valence, and a detailed study of the elements and their compounds, based on the periodic system and including both well known and rarer elements. *Prerequisite*: Chem 212 or 216. *Suggested*: Chem 331 and 332.

MR. SCHIRMER

CHEM 402—INORGANIC CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 401.

MR. SCHIRMER

CHEM 411—ADVANCED QUANTITATIVE ANALYSIS—3 cr. (1 and 6)

This course involves gravimetric and colorimetric analysis including complete analysis of limestones and silicates, and a partial analysis of coal, pig iron and steel. Also, the quantitative analysis of alloys using electrometric separation in some cases. The determination of certain important elements of ores, as sulfur, manganese, nickel, chromium and phosphorus. Instrumental analysis involving the use of photoelectric colorimeters, spectrophotometers, titrimeters and other instruments. *Prerequisite*: Chem 212 or 216.

MR. MITCHELL

CHEM 431—COLLOID CHEMISTRY—2 cr. (2 and 0)

The general characteristics of the colloidal state and surface phenomena including surface tension, adsorption and contact catalysis. *Prerequisite*: Chem 331 and 332.

MR. POLLARD

CHEM 432—COLLOID CHEMISTRY—2 cr. (2 and 0)

A continuation of Chem 431 including the preparation of colloidal solutions, gels and jellies, foams, fogs, emulsions and smokes.

MR. POLLARD

CHEM 441—GLASS MANIPULATION—2 cr. (0 and 6)

A course designed to teach the fundamentals of glass manipulation and its application to the construction and repair of simple laboratory apparatus. *Prerequisite*: Senior Standing.

MR. SCHIRMER

CHEM 442—CHEMICAL LITERATURE—2 cr. (1 and 3)

This course is designed to give the student practice in the use of chemical literature, the writing of technical reports and the presentation of same before the faculty of the School of Chemistry. *Prerequisite*: Senior Standing in Chemistry.

CHEMISTRY STAFF

CHEM 443—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of Chemistry. This work must be carried out under the supervision of a qualified member of the staff. *Prerequisite*: Senior Standing in Chemistry.

CHEMISTRY STAFF

CHEM 444—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 443.

CHEMISTRY STAFF

CHEM 454—INORGANIC SYNTHESIS—2 cr. (0 and 6)

A laboratory course designed to acquaint the student with various methods and techniques employed in the preparation and handling of inorganic compounds. *Prerequisite*: Chem 401

MR. SCHIRMER

CHEM 462—TECHNICAL ANALYSIS—3 cr. (1 and 6)

This course is planned to give training and experience in the analysis of many industrial products including fertilizer analysis, organic and mineral analysis of feeding materials, complete water analysis, both mineral and sanitary and the chemical and optical analysis of sugar products. Assays of some of the vitamins include the use of photoelectric colorimeters and fluorophotometers. *Prerequisite*: Chem 411

MR. MITCHELL

CHEM 472—ORGANIC SYNTHESIS—4 cr. (1 and 9)

A review and more intensive study of representative classes of organic compounds. In this course reference is made to the current literature from which the student prepares reports and abstracts. The laboratory work consists of synthesis of more complex compounds. In this course the student is introduced to the methods of consulting Beilstein's "Handbuch der organischen chemie." *Prerequisite*: Chem 321 and Ger 102

MR. CARODEMOS

CHEM 473—ORGANIC MEDICINAL COMPOUNDS—2 cr. (2 and 0)

A study of Organic Compounds used as therapeutic agents, with emphasis on relationships between constitution and physiological activity. *Prerequisite*: Chem 222

MR. DINWIDDIE

CHEM 481—PHASE EQUILIBRIA—2 cr. (2 and 0)

A study of the application of the Phase Rule to systems of two, three and four components, including its practical application to chemical operations and processes, metals, alloys and minerals.

MR. POLLARD

CHEM 482—CHEMICAL THERMODYNAMICS—3 cr. (3 and 0)

This course is designed to present basic concepts of the fundamental thermodynamic quantities and their relationships as expressed by the three laws of thermodynamics. A working knowledge of these laws and their correlative functions, as applied to chemical processes, will be given the student.

MR. HOBSON

CHEM 484—COLLOID CHEMISTRY LABORATORY—2 cr. (0 and 6)

Preparation and study of colloidal systems. *Prerequisite*: Chem 431

MR. POLLARD

CHEM 501—ADVANCED INORGANIC CHEMISTRY—3 cr. (3 and 0)

A study of atomic, crystal and molecular structure and its relationship to Inorganic Chemistry. *Prerequisites*: Chem 401 and 402

MR. SCHIRMER

CHEM 511—OPTICAL METHODS—3 cr. (1 and 6)

A study of optical methods as used in the field of chemistry with especial emphasis on the use of the microscope, spectroscope and related instruments. *Prerequisites*: Chem 401, 402 and 411

MR. HUNTER

CHEM 520—BIOCHEMICAL ASPECTS OF ORGANIC CHEMISTRY—2 cr. (2 and 0)

Discussion of natural products, including vitamins, hormones, etc. *Prerequisites*: Chem 321 and 331

MR. CARODEMOS

CHEM 521—ADVANCED ORGANIC CHEMISTRY—3 cr. (3 and 0)

The object of this course is to give a general survey of organic chemistry with special attention on the general type of organic reactions and important processes. The lectures are supplemented by assigned problems and reports on current organic literature which are discussed during a weekly conference hour. *Prerequisite*: Chem 321

MR. CARODEMOS

CHEM 522—ADVANCED ORGANIC CHEMISTRY—3 cr. (3 and 0)

A continuation of Chem 521.

MR. CARODEMOS

CHEM 523—QUANTITATIVE ORGANIC ANALYSIS—2 cr. (0 and 6)

This course is designed to train the organic chemist, and particularly the research worker, in the techniques and theory of quantitative determinations of various groups and elements occurring in organic compounds. Semimicro methods using 10 to 25 mg. samples are stressed. It is primarily a laboratory course with occasional lectures for consideration of the theoretical aspects of the procedures employed. *Prerequisites*: Chem 321 and 411

MR. DINWIDDIE

CHEM 524—QUANTITATIVE ORGANIC ANALYSIS—2 cr. (0 and 6)

A continuation of Chem 523.

MR. DINWIDDIE

CHEM 531—SELECTED TOPICS IN PHYSICAL CHEMISTRY—2 cr. (2 and 0)

An advanced course covering special phases of Physical Chemistry such as recent advances in the theory of solutions, chemical kinetics, catalysis and phase equilibrium. *Prerequisites*: Chem 331 and 332

MR. POLLARD

CHEM 543—RESEARCH PROBLEMS—3 cr. (0 and 9)

Original investigation of an assigned problem in a fundamental branch of chemistry. This work must be carried out under the supervision of a qualified member of the staff.

CHEMISTRY STAFF

CHEM 544—RESEARCH PROBLEMS—3 cr. (0 and 9)

A continuation of Chem 543.

CHEMISTRY STAFF

CIVIL ENGINEERING

MR. CLARKE

MR. H. E. GLENN MR. J. D. GLENN MR. MCCORMAC
MR. LOWRY MR. ROSTRON MR. MOSS
MR. TRIVELY *MR. FORD

C E 101—ELEMENTARY SURVEYING—2 cr. (1 and 3)

An introductory course given to all Engineering freshmen. This course comprises field and office computations involving the use of the tape, transit, level and leveling rod; the making of simple surveys and computing the areas.

STAFF

C E 201—SURVEYING—2 cr. (2 and 0)

A detailed study of the construction of all surveying instruments, and methods of adjusting same; a comprehensive consideration of the mathematical principles involved in making surveys: computations involved in computing and subdividing areas. *Prerequisites*: Math 103, C E 101

MR. MOSS

C E 202—SURVEYING—2 cr. (2 and 0)

This is a continuation of C E 201, and comprises the application of surveying principles to the various phases of surveying problems, including land surveying, topographic surveying, route surveying, mine surveying and hydrographic surveying. This course includes sufficient elementary astronomy for making solar or stellar observations for the determination of Azimuth and Time. *Prerequisite*: C E 201

MR. MOSS

C E 203—TOPOGRAPHIC SURVEYING AND MAPPING—1 cr. (0 and 3)

The field and office work necessary to make a complete topographic map, including contours, of a prescribed area. *Prerequisite*: C E 101, Math 103

MR. MOSS

*On leave.

C E 205—Civil Engineering Problems—2 cr. (1 and 3)

This course, designed to familiarize the student with simple problems in civil engineering, includes a review of the applications of trigonometric functions and logarithms, and a study of graphs, tables, and the slide rule. Some emphasis is given to a systematic analysis of problems and a neat and orderly arrangement of computations. *Prerequisites*: Math 103, Math 104 and registration in Phys 211

Mr. J. D. Glenn

C E 300—Summer Surveying Camp

C E 305—Route Surveying—3 cr. (3 and 0)

A study of the special problems which arise in connection with the location of a route for a railroad, highway, canal, sewer, water main or transmission line; the theory of simple, compound, and reversed curves; parabolic curves, transition spiral, vertical, curves, railroad turnouts; computations of earthwork. *Prerequisite*: C E 202 and 203

Mr. Clarke

C E 306—Roads and Pavements—4 cr. (3 and 3)

Theory and practice in design, location, construction and maintenance of low cost, intermediate, and high type, road surfaces. Highway economics and administration. Study of factors relating to highway construction methods and materials. *Prerequisite*: C E 305

Mr. Rostron

C E 309—Stress Analysis—2 cr. (0 and 6)

The computation of stresses in statically determinate structures. *Prerequisites*: Mech 302 and 306

Mr. Lowry Mr. McCormac

C E 310—Elementary Design—2 cr. (0 and 6)

The computation of the stress in truss members and girders; the design of structural parts and their connections. *Prerequisite*: C E 309 and Mech 304

Mr. J. D. Glenn Mr. McCormac

C E 319—General Photogrammetry—3 cr. (2 and 3)

An introduction to the fundamentals of mapping by use of aerial photographs. A study of the characteristics and uses of aerial photographs, detailed interpretation and simple photogrammetric instruments such as the stereocomparagraph. Practice in use of simple mapping instruments, problems in scale determination, construction of photomosaics. *Prerequisite*: C E 203

Mr. Robinson

C E 401—Structural Design—3 cr. (2 and 3)

The computation of stresses, and the detailed design of a steel highway bridge. *Prerequisite*: C E 310

Mr. Trively

C E 402—Structural Analysis—2 cr. (2 and 0)

Analysis of statically indeterminate structures by the method of moment distribution. *Prerequisite*: C E 310

Mr. J. D. Glenn

C E 405—Road Materials Testing Laboratory—1 cr. (0 and 3)

A study of the physical properties of non-bituminous construction materials, and the standard tests for determining these properties. *Prerequisite*: Mech 304

Mr. Lowry Mr. J. D. Glenn

C E 406—Road Materials Testing Laboratory—1 cr. (0 and 3)

A study of the physical properties of bituminous construction materials, and the standard tests for determining these properties. *Prerequisite*: Mech 304

Mr. Lowry

C E 409—Reinforced Concrete Structures—4 cr. (3 and 3)

Study of mechanics of reinforced concrete, beams, slabs, columns and footings. Designs and estimates of concrete structures. *Prerequisite*: Mech 304 and 306

Staff

C E 410—Municipal and Sanitary Engineering—5 cr. (5 and 0)

A study of the procedure necessary to supply an adequate amount of potable water for public or private purposes; and the design and construction of sewerage systems and sewage treatment plants. *Prerequisite*: Mech 401

Mr. Clarke

C E 412—Reinforced Concrete Design—2 cr. (0 and 6)

The complete analysis and design of a reinforced concrete bridge or building. *Prerequisite*: C E 409

Mr. Trively

C E 415—Soil Mechanics—3 cr. (2 and 3)

Study of mechanical and physical properties of soils and their relation to soil action in problems of engineering, such as classification, permeability, shearing strength, consolidation, stress distribution and bearing capacity of soils. *Prerequisite*: Mech 304

Mr. Rostron

C E 416—Contracts—2 cr. (2 and 0)

A study of the legal requirements and principles involved in the construction problems which confront the civil engineer. *Prerequisite*: Junior standing.

Mr. Clarke

C E 417—City Planning—2 cr. (2 and 0)

A study of the special problems, confronting a city engineer, which are not specifically of an engineering nature, but for the solution of which the public looks to the city officials; viz. street systems, traffic control, parking facilities, railroad and water traffic problems, airports, parks and play-grounds and zoning; legal problems involved. *Prerequisite*: Senior standing.

Mr. Clarke

C E 419—Materials and Methods of Construction—3 cr. (3 and 0)

This course is intended to familiarize the student with the common materials and technical terms used in construction and the ways in which the materials are used. *Prerequisite*: Junior standing.

Mr. Clarke

C E 452—Advanced Structural Analysis—2 cr. (2 and 0)

A study of the various methods for computing the deflections of beams and trusses. *Prerequisite*: C E 310

Mr. Trively

C E 499—Thesis—1-3 cr.

Civil Engineering students of exceptional ability, with the permission of the Head of the Civil Engineering Department, may choose as an elective the preparation and submission of a thesis covering some phase of Civil Engineering. This thesis may be either an independent experimental investigation entered into with the hope of discovery of new engineering knowledge, or the independent prosecution of some already somewhat stabilized problem in engineering design. Those students who desire to submit a thesis, as a part of their free electives, must present to the Head of the Civil Engineering Department not less than one month prior to the opening of the semester during which the thesis work is intended to be done, a complete outline of the work contemplated in the proposed thesis and the projected method of procedure. (Amount of credit given depends upon the nature of the subject, the amount of time devoted to it, and the quality of the work.)

Mr. Clarke

C E 501—Advanced Structural Engineering—3 cr. (2 and 3)

Analysis of statically indeterminate structures including secondary stresses and rigid frames.

C E 502—Advanced Structural Engineering—3 cr. (2 and 3)

A continuation of C E 501.

C E 510—Highway Safety and Traffic Control—3 or 2 cr. (3 and 0) or (2 and 0)

Study of highway safety principles affecting the design of city streets and rural highways, devices for controlling highway traffic and related subjects, and design of traffic signal systems. *Prerequisite*: C E 306

C E 511—Highway Design—3 cr. (2 and 3)

Studies of economics of highway grades, location, alignment and road surfaces, and factors that control highway planning. *Prerequisite*: C E 306

C E 519—Highway Research—2 to 4 cr.

Independent investigation of some problems in highway engineering.

C E 520—Concrete Mixes and Materials—3 cr. (2 and 3)

Properties and factors controlling properties of concrete; investigation and selection of materials; mixes and design of mixes; inspection, field laboratory facilities and reports; concrete manufacture; handling, placing and curing; special types; sonic method of testing. *Prerequisite*: C E 405

C E 531—Soil Engineering—3 cr. (2 and 3)

Shearing resistance, consolidation, settlement, displacement and compaction, pile supporting strength, application of principles to earthwork, foundations and highway problems. *Prerequisite*: C E 415

C E 591—Research—3 cr.

Research and development of a project leading to a master's degree.

C E 592—Research—3 cr.

A continuation of C E 591.

DAIRY DEPARTMENT

Mr. LaMaster

Mr. Goodale Mr. Brannon Mr. Lazar

Mr. King Mr. Hurst

Dairy 201—Introductory Dairying—3 cr. (2 and 3)

A course designed to give a practical working knowledge of dairy husbandry and dairy products. Studies include history of dairying, dairy breeds, feeds and feeding, judging dairy animals, dairy farm buildings, quality milk production, testing milk and some of its products, the manufacture of milk products, and the value of milk and milk products.

Mr. Lazar

Dairy 301—Genetics—3 cr. (2 and 3)

A study of the principles of heredity and variation with special reference to their application to the animal kingdom. Some of the topics covered are Mendel's Law, physical basis of inheritance, chromosome theory, linkage, expression and interaction of factors, origin of hereditary differences, inheritance of quantitative characters, and biometric methods. *Prerequisite*: Junior standing

DAIRY 302—DAIRY TECHNOLOGY AND ENGINEERING—3 cr. (2 and 3)

The chemical and physical properties of milk and milk products are studied in the classroom and laboratory as they apply to the processing of dairy products. Some of the dairy engineering subjects studied are: Heat measurement, transfer and control; power transmission, electrical power and equipment, hydraulics and pumping, steam and its use in the dairy, refrigeration, insulation, heaters and coolers, ice cream equipment, homogenizers, pasteurizing equipment, evaporating and drying equipment, washing and sterilizing equipment, fillers, equipment maintenance, general mechanics, and dairy plant design and layout. *Prerequisite*: Junior standing

MR. GOODALE

DAIRY 305—DAIRY CATTLE JUDGING—1 cr. (0 and 3)

Students are given an understanding of dairy form, breed type, and relations between form and function of dairy cattle. Emphasis is placed on the score card, show ring requirements and classifications, fitting dairy cattle for show and sale, values as influenced by form, buying dairy cattle, practice in judging Brown Swiss, Guernsey, Holstein, and Jersey cattle of all ages. *Prerequisite*: Junior standing

MR. BRANNON

DAIRY 306—MARKET MILK—3 cr. (3 and 0)

To give a comprehensive understanding of the care and handling of market milk, the following subjects are studied: History and development of the market milk industry, composition of milk and its properties, microorganisms, enzymes and cells of milk and cream, milk and public health, safeguarding the milk supply, sanitary production of market milk, construction and arrangement of buildings (farm and station), transportation of milk, flavors of milk, construction and arrangement of city milk plants, milk plant operation, pasteurization of milk, cooling systems, creaming, separation, special milk products, business management, the dairy laboratory, dairy mathematics. *Prerequisite*: Dairy 201

MR. GOODALE

DAIRY 309—ANIMAL NUTRITION—3 cr. (3 and 0)

A chemical and physiological treatment of digestion, absorption and metabolism of nutrients. The physiology of and nutritional requirements for body maintenance, growth, reproduction and lactation of dairy cattle. *Prerequisite*: Chemistry 220

MR. KING

DAIRY 352—ADVERTISING AND MARKETING—3 cr. (3 and 0)

To give fundamentals in important fields of sales and marketing, the following topics are studied: Evolution of advertising, advertising allied with journalism, rise of national advertising, social aspects of advertising, advertisers' policies and objectives, modern advertising procedure, marketing research, names, trade marks, packages, psychology of selling, incentives to attention, incentives to interest, establishing associations, building the advertisement, substance of advertising copy, typography, illustrations and color, layout and visualization, advertising program, advertising production, media, radio advertising. *Prerequisite*: Junior standing

MR. GOODALE

DAIRY 354—ENDOCRINOLOGY—3 cr. (3 and 0)

This course includes a study of the anatomy and physiology of the glands of internal secretion. The chemistry of the hormones will be considered. Emphasis will be placed on the relationship of the endocrine glands to growth, reproduction, and lactation. *Prerequisite*: Junior standing

MR. HURST

DAIRY 401—DAIRY MANUFACTURES—3 cr. (2 and 3)

A thorough study is made of the manufacture of creamery butter, and the processing of soft cheeses. Some of the topics covered are: History of buttermaking, care of cream on the farm, buying and grading cream, inspection and testing methods, neutralization, pasteurization, starters and ripening, churning, and all subsequent processes until butter is ready for market, composition control, butter scoring, butter storage, marketing butter, refrigeration and sanitation. Studies are conducted on complete processing methods for common varieties of soft cheeses. *Prerequisite*: Dairy 201 and 302

MR. GOODALE

DAIRY 402—DAIRY MANUFACTURES—4 cr. (2 and 6)

A study of ice cream manufacture and related problems of producing condensed and powdered milks. Some subjects covered are: History of ice cream making, classification of frozen products, composition, ingredients used, standardization of mixes, processing mixes, testing, freezing, whipping defects in ice cream, packaging, hardening, shipping sugars, egg products, stabilizers, chocolate products, vanillas, fruits, ices, sherbets, specials, costs and merchandising, ice cream as a food, and bacteriology of ice cream. *Prerequisite*: Dairy 201 and 302

MR. GOODALE

DAIRY 405—DAIRY CATTLE BREEDING—3 cr. (2 and 3)

The student is given an understanding of the methods used in developing and improving the breeds of cattle. Principal topics are: breed history, advanced register, pedigrees, methods of indexing proved sires, statistical study of the relations of environment to production. *Prerequisite*: Genetics

MR. LAMASTER

DAIRY 409—DAIRY SEMINAR—2 cr. (2 and 0)

Special research problems in production and manufactures are studied. Individual topics not fully covered in class work are assigned for special reports before class and Dairy Staff. *Prerequisite*: Senior standing

DAIRY STAFF

DAIRY 410—DAIRY SEMINAR—2 cr. (2 and 0)

This course is a continuation of Dairy 409 with emphasis on current research literature. Each student is required to conduct a research project in production or manufactures and report the exposition of the results by thesis. *Prerequisite*: Senior standing

DAIRY STAFF

DAIRY 452—DAIRY CATTLE FEEDING AND MANAGEMENT—3 cr. (2 and 3)

This course gives the fundamental principles in the care, feeding, and management of dairy cattle of all ages. Principal topics include: general considerations in selecting a breed, selecting the individual cow, calf raising, growth and development, raising dairy heifers, care and management of the milking herd, milking factors, feeding for milk production, stables for cows, dairy barn equipment and handling manure. *Prerequisite*: Senior standing

MR. LAMASTER

DAIRY 501—TOPICAL PROBLEMS—1 to 3 cr.

Topics of interest to the graduate student. The course is designed to give experience with problems in dairying not covered by thesis research. Credit varies with the problem selected.

STAFF

DAIRY 502—GENETICS OF DAIRY CATTLE IMPROVEMENT—3 cr. (3 and 0)

Study of the inheritance in dairy cattle, with emphasis on milk and butterfat production methods used in proving sires and dams and in analyzing herds as aids to selection.

DAIRY 503—PHYSIOLOGY OF REPRODUCTION AND MILK SECRETION—3 cr. (3 and 0)

A study of the influence of the endocrine glands on reproduction and on milk secretion.

MR. HURST

DAIRY 505—NEWER KNOWLEDGE OF ANIMAL NUTRITION—3 cr. (3 and 0)

The application of the latest information on digestion, metabolism, and the nutritional requirements of animals.

MR. KING

DAIRY 590—RESEARCH—3 cr.

Original investigation is conducted on a selected problem and reported in a thesis.

STAFF

DAIRY 591—RESEARCH—3 cr.

A continuation of Dairy 590.

STAFF

DRAWING AND DESIGNING

MR. SHIGLEY

MR. BANISTER
MR. BRADBURY
MR. CARTER
MR. HUGHES
MR. MCHUGH
MR. HAMMOND
MR. NIX

D D 101—FREEHAND DRAWING—1 cr. (0 and 3)

A study of the principles of technical sketching, including the development of skills in technical lettering and freehand drawing.

DRAWING STAFF

D D 102—Technical Drawing—1 cr. (0 and 3)

A study of the elementary principles of multi-view projection with emphasis upon the reading of technical drawings rather than upon their execution. *Prerequisite*: D D 101

Drawing Staff

D D 105—Engineering Drawing—2 cr. (0 and 6)

A comprehensive study of the language of the engineer. The course includes lettering, use of instruments, technical sketching, multi-view drawing, auxiliary projection, sectional views, dimensioning, fasteners, pipe drawings, and simple detail and assembly drawings.

Drawing Staff

D D 106—Engineering Drawing—2 cr. (0 and 6)

A continuation of D D 105. The course includes detail and assembly drawings, welding drawings, pictorial drawings, simple problems involving the point, line, and plane in descriptive geometry, structural drawing, developments and intersections, jigs and fixtures, and simple problems in cams and related motions. *Prerequisite*: D D 105

Drawing Staff

D D 205—Applied Descriptive Geometry—3 cr. (2 and 3)

A study of the theory of orthographic projection and its application to the graphical solution of three-dimensional space problems. A wide variety of practical problems are solved including problems dealing with points, lines, planes, single curved surfaces, and double curved surfaces. *Prerequisite*: D D 106

Drawing Staff

D D 305—Kinematics of Machines—2 cr. (1 and 3)

A study of cams, linkages, and related mechanisms. The determination of velocities and accelerations in simple machines. A comprehensive study of toothed gearing, simple and planetary gear trains and miscellaneous mechanisms. *Prerequisite*: D D 106. Must parallel or follow Mech 303.

Mr. Shigley Mr. Bradbury Mr. McHugh

D D 306—Machine Design—2 cr. (1 and 3)

A study of the various "factors" which influence the design engineer's decision upon the size, material, or shape of a machine part, and its location in a machine. Review of materials and processes from the standpoint of design. The design of various machine elements. A selected group of laboratory problems to bring out the student's judgment, initiative, and ingenuity, and to unite all his previous experience and studies and focus them towards the solution of each problem. *Prerequisite:* D D 305. Must parallel or follow Mech 304.

Mr. Shigley Mr. Bradbury Mr. McHugh

D D 460—Mechanical Vibrations—3 cr. (3 and 0)

A study of mechanical vibrations with emphasis upon the solution of practical problems in the design and construction of machinery and structures. The study will include free vibrations with and without damping; forced vibrations; systems of one, two, and many degrees of freedom; Poyleigh's method applied to linear vibrations; Halzer's method applied to torsional vibrations; equivalent systems; measuring instruments; absorbers and dampers; the seismograph; self-excited vibrations; non-linear systems. *Prerequisites:* Mech 303 and 304

Mr. Shigley

D D 461—Photoelasticity—2 cr. (1 and 3)

A method of determining exact stresses and areas of stress concentration in complex shapes with both static and dynamic loading. The course includes study of the polariscope, development of fundamental relations, practice in the use of the photoelastic method, and finally original research on a project chosen by the instructor.

ECONOMICS

Mr. Biggs Mr. Wood Mr. Macaulay
*Mr. Trevillian Mr. Davis Mr. Taylor
Mr. Ludwig

Econ 201—Principles of Economics—3 cr. (3 and 0)

This course, with its continuation, Econ 202, furnishes a basic introduction to the science of economics. Beginning with an examination of fundamental concepts, the course deals with principles of production and

*On leave

exchange, business organization and combination, and principles of money, banking and credit. Special emphasis is given to current economic problems.

ECONOMICS STAFF

ECON 202—PRINCIPLES OF ECONOMICS—3 cr. (3 and 0)

Continuation of Econ 201 with special attention to the distribution of national income, value and price, foreign trade and exchange, economic problems of government such as taxation and government spending. Comparison is made of the economic structures of capitalism, socialism and communism. Consideration is given to current economic problems. *Prerequisite*: Econ 201

ECONOMICS STAFF

ECON 301—LABOR PROBLEMS—3 cr. (3 and 0)

Studies in the development of present day labor conflict and causes of industrial unrest. An analytical survey is made of such aspects as unemployment, low wages, industrial accidents and diseases, intervention of the State in behalf of the worker and the status of the worker in modern industrial society. Trade unionism and collective bargaining are contrasted with state legislation as devices for dealing with these problems. *Prerequisite*: Econ 201 and 202

MR. WOOD

ECON 302—MONEY AND BANKING—3 cr. (3 and 0)

A survey of the financial organization of society. Consideration of monetary systems, foreign exchange, credit instruments and principal types of financial institutions. Problems of credit control, monetary stabilization, banking regulation and reform are given special emphasis. *Prerequisite*: Econ 201 and 202

MR. TREVILLIAN

ECON 312—COMMERCIAL LAW—3 cr. (3 and 0)

An introduction to law in its application to business. Special emphasis is given to legal principles and court opinions relating to contracts, personal property, negotiable instruments and related topics. *Prerequisite*: Junior standing

STAFF

ECON 401—ELEMENTARY ACCOUNTING—3 cr. (3 and 0)

Practice in handling real and nominal accounts, together with an introduction to the use of various types of books of original entry, statements of profit and loss, and balance sheets. The work of the course will consist of lectures and problems. *Prerequisite*: Econ 201 and Junior standing

STAFF

EDUCATION

MR. WASHINGTON

MR. BOOKER	MR. WHITE	MR. KIRKLEY
MR. BROCK	MR. BOWEN	MR. STRIBLING
MR. MONROE	MR. GENTRY	

EDUC 101—ORIENTATION—1 cr. (1 and 0)

The purpose of this course is to aid the freshman in adjusting himself to the college environment and his course of study.

MR. WASHINGTON, MR. BROCK, MR. MONROE, MR. GENTRY

EDUC 301—INTRODUCTION TO EDUCATION—3 cr. (3 and 0)

This course includes the principles of Education, the aims, purposes, and objectives of Vocational Education; and the basic principles underlying the development of programs of instruction for the various groups of farm people.

MR. KIRKLEY

EDUC 302—EDUCATIONAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the nature, capacities and equipment of the learner, the role of the environment, the nature and promotion of learning, the growth and maturity of personality and the evaluation of progress in education.

MR. STRIBLING

EDUC 305—PRINCIPLES OF SECONDARY EDUCATION—3 cr. (3 and 0)

A study is made of the principles and practices of general and vocational education, characteristics of learning, knowledge and thinking ability, motor, moral, and appreciative reactions, choice of subjects and activities, influence of age, maturity and individual differences, appraising results of education.

MR. WASHINGTON

EDUC 307—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The purpose of this course is to develop an industrial background for the teacher who is to have charge of a comprehensive industrial program in a community where an effort is being made to train young men and adult industrial workers in the individual skills of productive employment in industrial occupations. This includes woodworking, painting, metal working, and drafting, and also the interplay of skills between these as adapted to teaching situations.

MR. BROCK

EDUC 308—INDUSTRIAL EDUCATION LABORATORY—2 cr. (0 and 6)

The student is required to select his projects, furnish materials, make preliminary plans and sketches for them, and have these approved by the instructor. At the completion of each project in the laboratory the student is carefully examined concerning the work he has done.

MR. BROCK

EDUC 309—RURAL AND VILLAGE SCHOOL PROBLEMS—3 cr. (3 and 0)

This course is designed to introduce the student to the problems facing the teacher in rural and small town schools, and from this to determine the qualifications necessary for a successful teacher. A study is made of correlation of the curriculum with the desirable social trends in agricultural and industrial communities, the summer session, transportation problems, and the special qualifications of teachers.

MR. WHITE

EDUC 332—ORGANIZATION OF COURSES OF STUDY—3 cr. (3 and 0)

A study is made of purpose, scope, and use of job analysis in writing courses of study, writing and using instruction sheets for teaching, constructing achievement tests in industrial subjects. The student is required to select some subject and write a course of study based upon analyses of work covered under that subject. Prospective teachers are urged to select subjects which they expect to teach later.

MR. BROCK

EDUC 401—METHODS IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

In this course, problems in teaching vocational agriculture in high school teaching are considered. Some of the problems are as follows:

organizing the teaching program; planning the course of study; making lesson plans; conducting field trips; farm shop work; Future Farmer work; supervised practice programs; and visual aids.

Mr. Monroe

Educ 402—Directed Teaching in Industrial Subjects—6 cr. (1 and 15)

A study is made of organizing class, selection of teaching materials, planning work, discipline, teaching methods, examinations and grading, cooperation with school personnel, records and reports, inventories, and upkeep of equipment. Each student teacher periodically is given an opportunity to teach some industrial subject. During his teaching period, he is responsible for his class just as if he were an employed teacher of that subject, including conforming to the high school schedule and registration period. *Prerequisite*: Six semester credits in Professional Education, and approval of instructor.

Mr. Brock

Educ 403—Directed Teaching:All-Day Classes—3 cr. (0 and 9)

The purpose of this course is to develop the ability of prospective teachers to organize courses in vocational agriculture based on community farm problems, and practices, to conduct classes in accordance with sound educational principles of teaching, to gain experience in teaching, and to develop confidence in themselves as teachers. During the course, opportunity is given to observe and teach in nearby high school departments of vocational agriculture, under the supervision of the local teacher and a member of the agricultural education faculty. *Prerequisite*: This course should be taken concurrently with Educ 401.

Agricultural Education Staff

Educ 404—Directed Teaching: Adult Groups—3 cr. (0 and 9)

This course should be taken concurrently with Educ 402. In it farmers' practices are secured and evaluated, pertinent information organized and taught. The supervision of the improvement of the farming practices of adult or special groups of farmers is given careful consideration, as well as teaching farmers to secure and use the cannery, shop and other community services.

Agricultural Education Staff

EDUC 412—DIRECTED TEACHING IN HIGH SCHOOL SUBJECTS—6 cr. (1 and 15)

Supervised practice teaching is given in the natural and physical sciences, mathematics, civics, etc., in order to develop skill in the best methods of teaching these subjects. (Enrollment is by individual approval and may be dependent upon observing the high school schedule including registration, etc.) A study is made of selection of subject matter, planning work, methods of teaching, examinations, grading, discipline, cooperation with school personnel, records, and reports. *Prerequisite:* Six semester credits in Professional Education, and approval of instructor.

MR. GENTRY

EDUC 415—ADMINISTRATION OF VOCATIONAL AND OTHER SCHOOLS—3 cr. (3 and 0)

A course to acquaint the prospective teacher with modern administration technique in public education. Topics covered include: The public school curriculum, the administration of vocational departments, the duties of the principal and his relationship to the school board. Attention is also given to certain legal phases of school administration.

EDUC 421—COORDINATION METHODS IN VOCATIONAL EDUCATION—2 cr. (2 and 0)

A study is made of the major occupations in the United States and in South Carolina in order that prospective teachers may become informed as to possibilities in them and more intelligently give guidance to high school students. A survey is made of the youth problem, employment trends, general industrial conditions, kind of men industries want, survey of industrial plants, testing for mechanical aptitude, organizing occupations course in high school.

MR. BOOKER

EDUC 422—PROBLEMS IN ADULT EDUCATION—3 cr. (3 and 0)

This course should be taken concurrently with Educ 404. Determining the needs, securing and organizing necessary instructional material, planning lessons; teaching and supervising adult farmers or special groups receive major emphasis. The use of surveys, visual aids, publicity, school canneries, shop and other community services is included.

MR. BOWEN

EDUC 424—TECHNIQUE OF TEACHING—3 cr. (3 and 0)

The purpose of this course is to acquaint the prospective teacher with the most significant problems in trade and industrial teaching, to propose solutions for these problems consistent with most authoritative information available. The course covers methods of teaching mathematics, science and other appropriate subject matter; organizing classes; selection of equipment and tools; ways of securing materials and supplies for school shop; introducing, financing, and advertising a shop program; methods of teaching; and discipline.

MR. GENTRY

EDUC 458—HEALTH EDUCATION FOR TEACHERS—3 cr. (3 and 0)

The purpose of this course is to provide prospective teachers with information which is needed in order that they may cooperate effectively with public health agencies in the promotion of improvement in the health of school pupils. Emphasis will be placed on problems of sanitation, nutrition, personal hygiene, health records, immunization, and necessary adaptations of instruction for exceptional children. A study of safety practices is also included.

MR. GENTRY

EDUC 497—AUDIO-VISUAL AIDS IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is to provide opportunities for study and use of moving pictures, film strips, cameras, photographs, charts, maps, globes, recording and sound devices, x-rays, radio, and other devices for preparing material and for teaching.

MR. BROCK

EDUC 505—OCCUPATIONAL GUIDANCE AND PLACEMENT—3 cr. (3 and 0)

The organization and administration of a guidance program for schools of all sizes. A careful analysis is made of methods of interviewing students and counseling techniques involved in guidance. Data are collected on placement and follow-up work. A careful study is made of the needs for guidance in communities near the College.

MR. MONROE

EDUC 506—HISTORY AND PHILOSOPHY OF EDUCATION—3 cr. (3 and 0)

This course attempts to study the development of education over the different periods of civilization beginning with Athenian education and

tracing the educational movements through the different periods of history with emphasis being placed upon the development of education in the United States. With each period studied attention is first directed to the central features of the social order, to the dominant ideology, to the social structure, the classes of economic interest, and to the sources of political power, and the formation of political institutions and social arrangements. Educational policies and practices and newer philosophy of American education are given detailed attention.

MR. BOOKER

EDUC 508—EDUCATIONAL TESTS AND MEASUREMENTS—3 cr. (3 and 0)

A study of improved methods and techniques which may be used in the measurement of intelligence, specific aptitudes, and achievement. A survey is made of standardized tests, the sources from which they may be secured, and the purposes which may serve in classification and/or instruction of students. Emphasis is given to the construction of informal tests of achievement, and to the administration and interpretation of standardized group tests. Practice is provided in the use of standardized tests. The relationship of time and motion studies to industrial operations is considered.

MR. GENTRY

EDUC 550—RESEARCH IN EDUCATION—3 cr. (3 and 0)

The purpose of this course is for the student to study and conduct research, organize data, study forms and methods of recording research in agricultural, industrial, and general education and to write and present to the instructor and later to the Graduate Committee a thesis. Credit on this course involves approved plans submitted through instructor of either Educ 551, 553, and 555.

EDUC 551—RESEARCH AND THESIS IN AGRICULTURAL EDUCATION—3 cr. (3 and 0)

A continuation of Educ 550.

MR. WHITE

EDUC 553—RESEARCH AND THESIS IN EDUCATION—3 cr. (3 and 0)

A continuation of Educ 550.

MR. GENTRY

EDUC 555—RESEARCH AND THESIS IN INDUSTRIAL EDUCATION—3 cr. (3 and 0)

A continuation of Educ 550.

MR. BROCK

ELECTRICAL ENGINEERING

	Mr. Rhodes	
Mr. Tingley	Mr. Giles	*Mr. Poe
Mr. Hallmark	Mr. Goodin	*Mr. Adams
Mr. Becker	Mr. Kersey	Mr. Jones
Mr. Beyer	Mr. Long	Mr. Martin

E E 211—Electric Circuits—3 cr. (3 and 0)

An introductory course in fundamental theory of electric and magnetic circuits with illustrative applications to electrical apparatus. *Prerequisite*: Enrollment in Math 203 and Phys 212 and 214

Mr. Hallmark Mr. Jones

E E 212—Electric Fields—3 cr. (2 and 3)

A continuation of E E 211 embracing the study of electromagnetic and dielectric fields and simple transients. Contains a correlated laboratory course. *Prerequisite*: E E 211; Phys 212, 214; and enrollment in Math 204

Mr. Rhodes Mr. Jones

E E 303—Electric Circuits and Machines—4 cr. (3 and 3)

An elementary course in circuits and machines and their applications in industry. Planned for Civil Engineering, Agricultural Engineering and Industrial Education students. *Prerequisite*: All mathematics and physics courses listed in the respective curricula in which E E 303 is required.

Mr. Martin

E E 304—Vocational Electricity—2 cr. (1 and 3)

A brief course designed to assist Industrial Education students in planning electrical courses for high school students. *Prerequisite*: E E 303

Mr. Jones

E E 307—Direct-Currents and Machines—4 cr. (3 and 3)

Fundamental theory of direct-currents and machines with special emphasis on operating characteristics and industrial applications. *Prerequisite*: Math 203, and 204; Phys 211, 212, 213, and 214

Mr. Goodin

*On leave

E E 308—Alternating-Current Circuits and Machines—4 cr. (3 and 3)

A continuation of E E 307 designed for a similar study of alternating-currents and machines with typical industrial applications. *Prerequisite*: E E 307

Mr. Long Mr. Martin

E E 311—Direct-Current Machinery—4 cr. (3 and 3)

The theory, construction, and operating characteristics of direct generators, motors and control equipment, accompanied by a coordinated series of laboratory tests. *Prerequisite*: E E 211 and 212

Mr. Kersey

E E 315—Alternating-Current Circuits—3 cr. (3 and 0)

A comprehensive study of alternating-current fundamentals. Use of the vector algebra method of solution of circuit problems. *Prerequisite*: E E 211 and 212

Mr. Long

E E 316—Alternating-Current Circuits—4 cr. (3 and 3)

A continuation of E E 315 including the solution of problems involving non-sinusoidal currents, coupled circuits and balanced and unbalanced polyphase systems. Coordinated laboratory experiments included. *Prerequisite*: E E 315

Mr. Becker

E E 320—Electronics—4 cr. (3 and 3)

An introduction to electron tubes and circuits. Embraces thermionic emission, vacuum and gas filled tubes, photo-sensitive devices, cathode-ray tubes and rectifiers. Includes laboratory investigations and demonstrations. *Prerequisite*: E E 315; and enrollment in E E 316

Mr. Hallmark

E E 405—Electrical Design—1 cr. (0 and 3)

The application of fundamental principles of electric and magnetic circuits through a series of design problems correlating with direct-current and alternating-current machinery courses. *Prerequisite*: E E 311, and enrollment in E E 411

Mr. Rhodes

E E 406—Electrical Design—1 cr. (0 and 3)

A continuation of E E 405 with specific application to synchronous and induction machinery problems. *Prerequisite*: E E 411

Mr. Rhodes

E E 411—Alternating-Current Machinery—5 cr. (3 and 6)

The application of fundamental circuit theory to alternating-current machinery. Study of the construction, theory, and operating characteristics of transformers and synchronous generators and motors. *Prerequisite*: E E 316

Mr. Beyer Mr. Giles

E E 412—Alternating-Current Machinery—4 cr. (3 and 3)

A continuation of E E 411 covering the theory, operating characteristics and industrial applications of induction motors, converters, and the principal types of commutator motors. *Prerequisite*: E E 411

Mr. Rhodes Mr. Tingley

E E 415—Advanced Circuits—3 cr. (3 and 0)

A continuation of E E 315 and E E 316 embracing studies of transmission line calculations, electric filters, symmetrical components and power short-circuit calculations. *Prerequisite*: E E 316

Mr. Beyer

E E 422—Electric Distribution—2 cr. (2 and 0)

Technical and economic features of local wiring systems; city and rural distribution; control and protective equipment. Includes reference studies. *Prerequisite*: E E 316; and enrollment in E E 411

Mr. Giles

E E 426—Electric Transients—3 cr. (2 and 3)

A course, largely experimental, covering physical phenomena and mathematical analysis of electric circuits and machines in transient state. Open to a limited number of advanced Electrical Engineering students. *Prerequisite*: E E 316, Math 306 and enrollment in E E 411

Mr. Tingley

E E 427—Advanced A.C. Machinery—3 cr. (3 and 0)

Supplementary to E E 411 and E E 412 and covering special and more complex features of alternating equipment. Planned for Electrical Engineering students electing Electric Power engineering. *Prerequisite*: E E 411; and enrollment in E E 412

Mr. Rhodes

E E 431—Radio Communication—4 cr. (3 and 3)

A study of the component circuits involved in radio communication systems; audio and radio frequency amplifiers, detectors, oscillators, amplitude modulation systems, power supplies and transmitter and receiver circuits. *Prerequisite*: E E 316, E E 320 and enrollment in E E 415

Mr. Becker

E E 432—Radio Communication—4 cr. (3 and 3)

A continuation of E E 431. Includes frequency modulation, antennas and radio frequency transmission lines, ultra high frequency oscillators and detectors, and elementary acoustics and sound systems. *Prerequisite*: E E 431

Mr. Hallmark

E E 433—Industrial Electronics—3 cr. (2 and 3)

A course embracing the theory and applications of electronic equipment especially designed for industrial applications with special emphasis given to the study of rectifiers, high frequency heating, welding controls, x-ray analysis, speed and voltage regulators, synchronizers, timers, etc. *Prerequisite*: E E 320 and E E 411

Mr. Tingley

E E 436—Radiation and Wave Propagation—3 cr. (3 and 0)

An advanced study of electric fields, vector analysis, Maxwell's equations, wave guides, radiation, antennas and propagation of waves in space. *Prerequisite*: E E 431

Mr. Hallmark

E E 501—Advanced Electric Transients—3 cr. (3 and 0)

A study of linear electrical systems using Laplace transformation to determine transient as well as steady state response. Emphasis will be placed on Operational Calculus to solve integral-differential equations of the system.

Mr. Tingley

E E 511—Electric Power Stations—3 cr. (3 and 0)

A comprehensive study of station lay-out, generating equipment, exciters, transformers, meters, switching and protective devices. Economical arrangement and operation are emphasized.

Mr. Rhodes

E E 513—Power System Stability—3 cr. (3 and 0)

A course designed to provide the student with the basic theory of both steady state stability and transient stability and their applications to system and apparatus design.

Mr. Beyer

E E 514—Power System Stability—3 cr. (3 and 0)

A continuation of E E 513

E E 520—Ultra-High Frequency Techniques—4 cr. (3 and 3)

Applications of conventional tubes at high frequencies, characteristics of the magnetron and velocity modulated tubes, Cathode ray tubes and circuits, applications of transmission lines, waveguides and cavity resonators. *Prerequisite*: E E 432 or the equivalent.

Mr. Hallmark

E E 521—Radiation and Wave Propagation—3 cr. (3 and 0)

An advanced study of electric fields, vector analysis, Maxwell's equations and their use in the study of wave guides, radiation, and wave propagation.

Mr. Hallmark

E E 591—Research—3 cr.

Research and development of a project leading to a master's degree.

E E 592—Research—3 cr.

A continuation of E E 591

ENGLISH

Mr. Bradley

Mr. Kinard	Mr. Owings	Mr. Winter
Mr. J. C. Green	Mr. Felder	Mr. Caskey
Mr. Lane	Mr. McGee	Mr. J. T. Cox
Mr. Taylor	Mr. Powell	Mr. Goldgar
°Mr. H. M. Cox	Mr. Purser	Mr. Holt
°Mr. C. B. Green	Mr. Watson	Mr. Tyner
Mr. MacIntosh	Mr. Wilson	

Engl 100—Remedial English—Non-credit (3 and 0)

A refresher course for students failing the placement test for English 101; a thorough review of grammar, punctuation, and sentence structure with drill in general correctness; some study of the principles of the paragraph, the whole composition, and letter writing.

The English Staff

Engl 101—Composition and Literature—3 cr. (3 and 0)

A course intended to train the student in correct and effective expression and to acquaint him with the various kinds of good writing. *Prerequisite*: Satisfactory score on the English Placement test or successful completion of Engl 100

The English Staff

Engl 102—Composition and Literature—3 cr. (3 and 0)

A continuation of the work of English 101 with word study, a wider scope of reading, and special attention to longer pieces of writing. *Prerequisite*: Engl 101

The English Staff

Engl 203—A Survey of English Literature—3 cr. (3 and 0)

A study of the chief authors and works in English literature from *Beowulf* to the beginning of the Romantic movement. *Prerequisite*: Engl 101 and 102

The English Staff

°On leave.

ENGL 204—A SURVEY OF ENGLISH LITERATURE—3 cr. (3 and 0)

A continuation of English 203 including a study of the chief authors of the Romantic and Victorian periods. Prerequisite: Engl 101 and 102

THE ENGLISH STAFF

ENGL 300—ENGLISH AT WORK—1 to 4 cr.

A study of the duties and responsibilities shouldered by students who edit uncensored publications. Professional journalists and other qualified individuals from the campus and elsewhere lead the discussions and offer constructive criticism. As often as practicable, the most recent issue of a student publication is selected for discussion. Enrollment is limited to staff members of student publications. Extra credits by approval of Faculty Adviser only. *Prerequisite*: Engl 101 and 102

MR. LANE

ENGL 301—PUBLIC SPEAKING—3 cr. (3 and 0)

A course of practical training in public speaking: the improvement of articulation, voice, and platform presence; the writing and delivery of short speeches; impromptu and extemporaneous speaking and debating; dummy broadcasting and drill with recording equipment for improvement in voice and oral composition. *Prerequisite*: Engl 203 and 204

MR. BRADLEY	MR. OWINGS	MR. WATSON
MR. J. C. GREEN	MR. MCGEE	MR. WILSON
MR. LANE	MR. PURSER	MR. WINTER

ENGL 305—EXPOSITORY WRITING—3 cr. (3 and 0)

Training in the processes of expository writing or explanation; the qualities and tools of exposition; various forms of expository writing. *Prerequisite*: *Engl* 203 and 204

MR. PURSER

ENGL 400—THE THESIS—1 cr. (0 and 3)

A course in practical guidance to the student in making research and presenting the results in proper form; statement of the problem with origin and history; object and scope of the investigation; application of results; plan of procedure. (To be prepared under the direction of a member of the School of Arts and Sciences and approved by him, as to content, and by a member of the English Department, as to form.) *Prerequisite*: Engl 203 and 204

ENGL 405—SHAKESPEARE—3 cr. (3 and 0)

To give the student as comprehensive an acquaintance as possible with Shakespeare's plays and some understanding of his development as a dramatist. *Prerequisite*: *Engl* 203 and 204

MR. TAYLOR

ENGL 406—SHAKESPEARE—3 cr. (3 and 0)

A continuation of the work as outlined in Engl 405. *Prerequisite*: Engl 203 and 204

MR. TAYLOR

ENGL 409—CHAUCER—3 cr. (3 and 0)

A study of the language, verse forms, and stories of Chaucer; reading from the *Prologue and the Canterbury Tales;* supplementary reading of historical and critical authors. *Prerequisite*: Engl 203 and 204

MR. BRADLEY

ENGL 410—CHAUCER—3 cr. (3 and 0)

Continuation of the work of English 409 with wider reading in the works of Chaucer; reading of Troilus and Creiseyde with a study of motivation for the love casuistry and tragic element of the poem. *Prerequisite*: Engl 409

MR. BRADLEY

ENGL 415—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Aeschylus to Ibsen, analysis of representative plays, writing of critical reports, practice in classroom reading of great scenes. *Prerequisite*: Engl 203 and 204

MR. LANE

ENGL 416—INTRODUCTION TO DRAMA—3 cr. (3 and 0)

A study of principles and progress of drama from Ibsen to the present days, analysis of representative plays, writing of critical reports, classroom reading of great scenes, and discussion of all important aspects of modern drama. *Prerequisite*: Engl 203 and 204

MR. LANE

ENGL 419—SELECTED MASTERPIECES—3 cr. (3 and 0)

A study of a variety of literary masterpieces, principally from English literature but including some world literature in English translation, with emphasis on acquaintance with and appreciation of individual outstanding works. *Prerequisite*: Engl 203 and 204

MR. KINARD

ENGL 420—SELECTED MASTERPIECES—3 cr. (3 and 0)

A continuation of English 419 using different selections. *Prerequisite*: Engl 203 and 204

MR. KINARD

ENGL 423—AMERICAN LITERATURE—3 cr. (3 and 0)

To give the student a more thorough knowledge and a deeper appreciation of the literature of the United States; beginning with the earlier selections and outstanding authors, the study ends with period immediately preceding the Civil War; special emphasis is given to Poe, Emerson, Hawthorne, and Melville. *Prerequisite*: Engl 203 and 204

MR. J. C. GREEN

ENGL 424—AMERICAN LITERATURE—3 cr. (3 and 0)

A continuation of study from Whitman to the present with emphasis upon the literature of the South. *Prerequisite*: Engl 203 and 204

MR. J. C. GREEN

ENGL 425—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

A study of the rise of Romanticism in English Literature; an evaluation of the contribution of the Eighteenth Century forerunners, followed by a study of Wordsworth, Coleridge, and Scott. *Prerequisite*:Engl 203 and 204

MR. OWINGS

ENGL 426—THE ROMANTIC REVIVAL—3 cr. (3 and 0)

Continuation of the work of English 425 with particular emphasis on the poets: Byron, Shelley, and Keats and on the essayists: Hazlitt, Lamb, DeQuincey, and Leigh Hunt. *Prerequisite*: Engl 203 and 204

MR. OWINGS

ENGL 427—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Tennyson, Browning, Carlyle, and John Stuart Mill. Some consideration of the intellectual, social, and political life of England in the first half of the nineteenth century. *Prerequisite*: Engl 203 and 204

MR. C. B. GREEN

ENGL 428—VICTORIAN LITERATURE—3 cr. (3 and 0)

A study of representative works from Arnold, Swinburne, Ruskin, and Pater. An examination of some of the theories of life and art which influenced the writings of these men. *Prerequisite*: Engl 203 and 204

MR C. B GREEN

ENGL 429—THE ENGLISH NOVEL—3 cr. (3 and 0)

A survey of major English novelists from Defoe to Scott. Selections will vary from year to year, and students will be allowed some latitude in their choice of readings. *Prerequisite*: Engl 203 and 204

MR. H. M. COX

ENGL 430—THE ENGLISH NOVEL—3 cr. (3 and 0)

A continuation of English 429, with emphasis upon English Victorian novelists. *Prerequisite*: Engl 203 and 204

MR. H. M. COX

ENGL 431—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A brief background survey of the literature and thought of the Restoration (Dryden, Denham, Cowley, Hobbes, Locke, Mandeville, Halifax, Bunyan, Evelyn, Pepys, Butler, Temple, Cibber, and Shaftesbury) followed by readings in Prior, Swift, Defoe, Pope, Gay, and Addison and Steele. *Prerequisite*: Engl 203 and 204

MR. MACINTOSH

ENGL 432—ENGLISH LITERATURE OF THE EIGHTEENTH CENTURY—3 cr. (3 and 0)

A study of Goldsmith, Johnson, Boswell, Burke, and the Earl of

Chesterfield, together with some consideration of the poetry of Young, Thomson, Shenstone, Collins, Cowper, Gray, and Blake. *Prerequisite*: Engl 203 and 204

MR. MACINTOSH

ENTOMOLOGY

MR. FARRAR

MR. DUNAVAN MR. WARE MR. WARNHOFF

ENT 301—ELEMENTARY AND ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

A general introduction to Entomology with emphasis on anatomy, metamorphosis, life-histories of our most important species and methods of control. *Prerequisite*: Zool 101 and 103

MR. WARNHOFF

ENT 302—GENERAL ENTOMOLOGY—3 cr. (2 and 3)

This course designed especially for students who take major work in Entomology provides basic training in general phases of Entomology covering especially metamorphosis, classification, habits and characteristics of members of principal families of all orders of insects. Special attention is also given to technique of collecting and preserving insects. *Prerequisites*: Zool 101, 103 and Ent 301

MR. DUNAVAN

ENT 401—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

This course affords training in identification and life-histories of injurious insects, their damage, and control measures. Common pests of the following are studied: corn, small grains, legume field crops, tobacco, sugar cane, stored grain and seed, livestock and man. *Prerequisites*: Zool 101, 103 and Ent 301

MR. WARNHOFF

ENT 402—ECONOMIC ENTOMOLOGY—3 cr. (2 and 3)

An intensive study of insecticides and other control measures for insects. This is followed by detailed study of habits, life-histories and approved control measures for insect pests of all fruit and vegetable crops. *Prerequisites*: Zool 101, 103 and Ent 301

MR. WARNHOFF

ENT 405—INSECT MORPHOLOGY—3 cr. (2 and 3)

A course especially arranged for students with major work in Entomology. A detailed study of external and internal anatomy of insects. *Prerequisites*: Ent 301 and Ent 302

MR. DUNAVAN

ENT 406—BEEKEEPING—3 cr. (2 and 3)

A study of practical beekeeping methods. Each student personally manages a hive of bees throughout the term. Special attention is given to bee behavior, spring and fall management and honey production methods. *Prerequisite*: Ent 301

MR. DUNAVAN

ENT 451—INTRODUCTION TO RESEARCH—2 cr. (1 and 3)

A study of approved methods of investigating entomological problems. Each student conducts a study of the life history of several insects. Laboratory techniques using insects for biological research are applied to a minor problem.

MR. FARRAR

ENT 452—TAXONOMIC ENTOMOLOGY—2 cr. (1 and 3)

A study of principles involved in the systematic classification of insects with some attention to historical aspects including great taxonomists of the past. Intensive studies of generic characteristics of insects in several major families are made. *Prerequisite*: Zool 101, 103, Ent 301, and Ent 302

MR. DUNAVAN

ENT 456—PARASITOLOGY—3 cr. (2 and 3)

Designed to give technical training in parasites affecting man and domestic animals. Life cycles, vectors, and practical controls are emphasized.

MR. WARNHOFF

ENT 460—SEMINAR—2 cr. (2 and 0)

Students review the principal journals pertaining to insects and related animals; also review the lives and activities of prominent pioneer entomologists. *Prerequisites*: Zool 101, 103 and 301; Ent 301 and 302

MR. FARRAR

FORESTRY

Mr. Lehotsky

For 201, 203—General Forestry—3 cr. (2 and 3)

A general introduction to and survey of the field of forestry. An introductory course for pre-forestry students, and a survey of the field of regional, national and world forestry problems arranged for non-foresters. The forest resource and its place in human welfare.

Mr. Lehotsky

For 202, 204—Dendrology—4 cr. (3 and 3)

The identification of the commercially important trees of the United States including nomenclature; family, genus and species characteristics; range and distribution. Field identification of the trees native to South Carolina and of commonly planted exotics. *Prerequisites*: Bot 101 and 103

Mr. Lehotsky

For 205, 207—Farm Forestry—3 cr. (2 and 3)

A study of the general problems dealing with the scientific management of small forest areas. Tree identification, tree measurements, forest measurements, forest products, silvicultural management of the important forest types of the region, intermediate and final cuttings, plantations, marketing of forest products and forest protection. Laboratory and field work on college forest lands and forestry operations. *Prerequisites*: Bot 101, and 103

Mr. Lehotsky

FRENCH

Mr. Dean Mr. Hardee

Fr 101—Elementary French—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

Mr. Dean

Fr 102—Elementary French—3 cr. (3 and 0)

A continuation of Fr 101, in which a reader is also used.

Mr. Dean

Fr 201—Intermediate French—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Fr 102 and the beginning of more serious reading of French prose in short stories or novels.

Mr. Dean

Fr 202—Intermediate French—3 cr. (3 and 0)

While attention is paid to writing and speaking French, more stress is laid on the rapid reading of more difficult French prose than in the earlier courses.

Mr. Hardee

Fr 301—Advanced French—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific French prose.

Mr. Dean

Fr 302—Advanced French—3 cr. (3 and 0)

A continuation of Fr 301, with selections being made to suit the needs of the students.

Mr. Dean

GEOGRAPHY

°Mr. Carpenter

Geog 301—Economic Geography—3 cr. (3 and 0)

A study of the geographic conditions fundamental to the world's resources—agricultural, mineral, and industrial, and the conditions which affect their production, exchange, and consumption. A special study will be made of the South. *Prerequisite*: Junior Standing

Mr. Carpenter

°On leave

GEOG 302—GEOPOLITICS—3 cr. (3 and 0)

A study of the geopolitical pattern of great powers, nations and dependencies; their territorial structure, resources, and connections. An examination of the principles of political geography, their application to current history, from an American geographical viewpoint. *Prerequisite*: Junior Standing

MR. CARPENTER

GEOLOGY AND MINERALOGY

GEOL 201—AGRICULTURAL GEOLOGY—3 cr. (3 and 0)

In this course the student is shown the relationships existing between geology and practical agricultural problems, especially those in connection with soil formation and adaptation. Soil making minerals and rocks; formation of soils and rocks, the question of the relation of underground water to springs, wells and drainage problems is considered.

GEOL 203—GENERAL GEOLOGY—3 cr. (3 and 0)

This course is intended to familiarize students with geology as applied not only to a thorough enjoyment of nature, but also to its many practical applications.

GEOL 204—GENERAL GEOLOGY—3 cr. (3 and 0)

In the second semester the evolution of the earth, through all of its changes to the geography and life of the present day, is traced.

GEOL 302—OPTICAL MINERALOGY—4 cr. (3 and 3)

A study of the use of the microscope for the identification of ceramic materials and the mineral constituents of ceramic products.

GEOL 306—MINERALOGY—4 cr. (3 and 3)

The purpose is to give the student a comprehensive knowledge of crystallography and descriptive and determinative mineralogy.

GEOL 402—METEOROLOGY—2 cr. (2 and 0)

A course designed to give the general principles of meteorology and climatology as applied to farming, aviation, and to those sciences which require a knowledge of such principles.

GEOL 406—ENGINEERING GEOLOGY—3 cr. (3 and 0)

A course that shows the practical application of geology to problems of engineering. Topographic and geologic maps are used extensively in connection with the text.

GERMAN

MR. RHYNE

GER 101—ELEMENTARY GERMAN—3 cr. (3 and 0)

A course for beginners, in which through conversation, composition and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

MR. RHYNE

GER 102—ELEMENTARY GERMAN—3 cr. (3 and 0)

A continuation of Ger 101, in which a reader is also used.

MR. RHYNE

GER 201—INTERMEDIATE GERMAN—3 cr. (3 and 0)

A short review of grammar, with conversation, composition, and dictation continued from Ger 102 and the beginning of more serious reading of German prose in short stories or novels.

MR. RHYNE

GER 202—INTERMEDIATE GERMAN—3 cr. (3 and 0)

While attention is paid to writing and speaking German, more stress is laid on the rapid reading of more difficult German prose than in the earlier courses.

MR. RHYNE

GER 301—ADVANCED GERMAN—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific German prose.

MR. RHYNE

GER 302—ADVANCED GERMAN—3 cr. (3 and 0)

A continuation of Ger 301, with selections being made to suit the needs of the students.

MR. RHYNE

GOVERNMENT

MR. LANDER

MR. EPTING	MR. WILLIAMS	MR. LAMBERT
MR. CROUCH	*MR. CARPENTER	*MR. TUTTLE
MR. BOLEN	MR. JUMPER	*MR. WEBB

GOV 101—AMERICAN NATIONAL GOVERNMENT—3 cr. (3 and 0)

A survey of the principles, structure, and functions of the national government of the United States. Not open to Juniors and Seniors.

STAFF

GOV 301—AMERICAN GOVERNMENT AND POLITICAL PARTIES—3 cr. (3 and 0)

A study of the constitution; powers and functions of executive, legislative, and judicial branches; citizenship; expansion of governmental activities; relations to the states, and territories. A study of the nature, development, organization, and methods of political parties, and the conduct of elections. *Prerequisite*: Not open to those who have completed Gov 101.

STAFF

GOV 302—STATE AND LOCAL GOVERNMENT—3 cr. (3 and 0)

An integrated study of American state and local government structural features, functions and legislative, administrative, and judicial processes. *Prerequisite*: Gov 101 or 301 and permission of the instructor.

MR. EPTING

GOV 401—COMPARATIVE GOVERNMENT—3 cr. (3 and 0)

A study of the historical development of present-day political institutions and a comparison of the functioning of these institutions in the United States, Great Britain, Russia, Switzerland, and other countries. *Prerequisite*: Gov 101 and permission of the instructor

MR. BOLEN

*On leave

Gov 403—International Relations—3 cr. (3 and 0)

To acquaint the student with current world movements and conditions, so that he may be able to think intelligently on the problems confronting our nation. *Prerequisite*: Senior standing

Mr. Crouch

HISTORY

Mr. Epting	Mr. Williams	Mr. Lambert
Mr. Bolen	*Mr. Carpenter	*Mr. Tuttle
Mr. Lander	Mr. Jumper	*Mr. Webb

Hist 101—American History—3 cr. (3 and 0)

A survey of the political, economic, and social development of the American people from the period of discovery to the end of the Civil War.

Staff

Hist 102—American History—3 cr. (3 and 0)

A survey of the political, economic and social development of the American people from the end of the Civil War to the present.

Staff

Hist 301—History of the United States since 1865—3 cr. (3 and 0)

An advanced study of the political, social, and economic development of the United States since the end of the Civil War. *Prerequisite*: Junior standing. Not open to students who have completed Hist 102.

Staff

Hist 303—History of Civilization—3 cr. (3 and 0)

A study of the political, economic and social institutions, as well as the outstanding personalities of Western Civilization from ancient times to 1648. *Prerequisite*: Junior standing or permission of instructor.

Mr. Bolen

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*On leave

HIST 304—HISTORY OF CIVILIZATION—3 cr. (3 and 0)

A study of the political, economic, and social conditions and institutions, as well as the outstanding personalities of Western Civilization from 1648 to the present. *Prerequisite*: Junior standing or permission of instructor.

MR. BOLEN

HIST 306—AMERICAN BIOGRAPHY—3 cr. (3 and 0)

A study of political leaders of the United States with emphasis on the significance of leadership in United States history and critical appreciation of biographical writing. *Prerequisite*: Junior standing.

MR. WILLIAMS

HIST 307—A DIPLOMATIC HISTORY OF THE UNITED STATES—3 cr. (3 and 0)

A history of United States foreign relations from 1775 to date with emphasis being placed upon the directing forces, particularly public opinion, that have shaped American diplomatic policies. Also stressed are the causes and results of all foreign wars in which the United States has been engaged. *Prerequisite*: Junior standing

MR. LANDER

HIST 308—EUROPE SINCE 1918—3 cr. (3 and 0)

A history of Europe since the end of World War I with emphasis being placed upon the rise to power of the Communist, Fascist, and National Socialist regimes in Russia, Italy, and Germany, respectively. *Prerequisite*: Junior standing

MR. BOLEN

HIST 309—HISTORY OF ENGLAND—3 cr. (3 and 0)

A study of the economic, political, and social institutions of the English people from early times to the present. *Prerequisite*: Junior standing.

MR. BOLEN

HIST 311—HISTORY OF LATIN AMERICA—3 cr. (3 and 0)

A survey of the political, economic, social, and cultural development of Latin America. *Prerequisite*: Junior standing.

MR. EPTING

HIST 401—HISTORY OF SOUTH CAROLINA—3 cr. (3 and 0)

A study of the political, economic and social conditions and institutions of South Carolina from 1670 up to the present.

A special feature is a study of the outstanding personalities and of the historical literature. *Prerequisite*: Junior or Senior standing or permission of instructor

MR. EPTING

HIST 403—HISTORY OF THE SOUTH TO 1865—3 cr. (3 and 0)

A study of the geography and climate of the South and the origins and development of political, economic, social, and cultural institutions. *Prerequisite*: Junior standing

MR. WILLIAMS

HIST 404—HISTORY OF THE SOUTH SINCE 1865—3 cr. (3 and 0)

A study of the economic and social changes in the South during the Reconstruction period and of trends in industrialization, agriculture, politics, race relations, and culture to the present. *Prerequisite*: Junior standing

MR. LANDER

HIST 405—THE AMERICAN FRONTIER—3 cr. (3 and 0)

A course dealing specifically with American expansion westward from the original colonies. This course will consider the westward movement in respect to population, political, economic, social and cultural development; analyze the process of national adjustments; and weigh the contributions of each succeeding period. It will consider both the early West and the Trans-Mississippi West. *Prerequisite*: Junior standing

MR. WILLIAMS

HIST 406—HISTORY OF MANUFACTURING IN THE UNITED STATES—3 cr. (3 and 0)

A study of the sustained growth of manufacturing in the United States since the Revolutionary War. Particular emphasis is placed on the history of major basic industries. The course will consider the economic, political, and social effects of industrial growth on American history. *Prerequisite*: Junior standing, or permission of the instructor.

MR. WILLIAMS

HORTICULTURE

	Mr. Musser	
Mr. Garrison	Mr. Van Blaricom	*Mr. Senn
Mr. Sefick	Mr. Lindenberg	Mr. Thode

Hort 201—General Horticulture—3 cr. (2 and 3)

A study of the fundamental plant processes, the influence of light, temperature, water and nutrients upon vegetative growth and reproduction of horticultural crops. Production practices, harvesting, storage and marketing of the principal fruit, vegetable and ornamental crops are discussed with demonstrations and practice in greenhouse and orchard. *Prerequisite*: Bot 101, 103 and Chem 101

Mr. Sefick Mr. Lindenberg

Hort 301—Principles of Vegetable Production—3 cr. (2 and 3)

A study of the general principles of vegetable growing and handling. Phases receiving special emphasis are: economic importance, producing areas, management practices, plant forcing, cultural practices, irrigation, quality factors, harvesting, grading, packing, storage, market inspection, transportation, refrigeration, exhibition, roadside marketing, and seed production. *Prerequisite*: Hort 201

Mr. Garrison

Hort 305—Plant Propagation and Nursery Management—3 cr. (2 and 3)

A study of methods of propagation; time, manner, and material for making cuttings; temperature and media for rooting cuttings of ornamental trees, shrubs and flowering plants; propagating structures, soils, fertilizers, and management methods for commercial nurseries. Practical instruction given in field and greenhouse. *Prerequisite*: Hort 201

Mr. Thode

Hort 306, 308—Elementary Landscape Design—3 cr. (2 and 3)

A study of plant material used in landscape design; instruction in landscaping and developing home grounds and execution of design.

Mr. Thode

*On leave

HORT 401, 403—LANDSCAPE DESIGN—3 cr. (2 and 3)

Instruction in the use of plant material used in landscaping homes, parks and small estates and designing of larger areas. Designs to be executed in detail. *Prerequisites*: Hort 306 and 308

MR. THODE

HORT 402, 404—GARDEN DESIGN—3 cr. (2 and 3)

Instruction in design of both formal and informal gardens; use of herbaceous plant material and execution of plans. *Prerequisites*: Hort 306 and 308

MR. THODE

HORT 405—NUT CULTURE AND SPRAYS—3 cr. (2 and 3)

Part I—Nut Culture—a study of production, harvesting and marketing of the principal nut crops with emphasis on the pecan.

Part II—Sprays and application equipment—a study of the properties of spray chemicals, their influence on plant functions, effectiveness in controlling pests of horticultural crops and methods of application. *Prerequisite*: Hort 201

MR. SEFICK

HORT 409—SEMINAR—1 cr. (1 and 0)

A study of recent research work on various phases of horticulture, methods of conducting investigations and preparation of report of investigations.

MR. MUSSER AND STAFF

HORT 410—SEMINAR—1 cr. (1 and 0)

A continuation of Hort 409.

MR. MUSSER AND STAFF

HORT 415—FLORICULTURE—3 cr. (2 and 3)

A study of greenhouse production of commercial flower crops, soils, fertilizers, greenhouse diseases and insects, flower crops (major crops: roses, carnations, chrysanthemums; minor crops: sweet peas, snapdragons,

violets, calendula, asters, gardenia, poinsettia, bulbs in variety) to be grown on benches and as pot plants; marketing and costs of production. *Prerequisites*: Hort 201 and 305

MR. THODE

HORT 451—SYSTEMATIC POMOLOGY AND SMALL FRUIT CULTURE—3 cr. (2 and 3)

Part I—Systematic Pomology—A study of the structure of fruit plants—physiological characters; methods of work in systematic pomology; habitat, history, color, form, structure, flavor and use of fruits; judging and displaying fruits.

Part II—Small Fruit Culture—A study of varieties, soils, sites, culture, fertilizers, harvesting and preparation for marketing of grapes, strawberries, dewberries, blackberries, raspberries and other small fruits. *Prerequisite*: Hort 201

MR. MUSSER

HORT 452—COMMERCIAL POMOLOGY—3 cr. (2 and 3)

A study of fruit bud formation, rest period and water relations of fruit plants, soils, fruit setting; orchard soil management and responses of various fruits to fertilizers, principles of pruning, effect of climatic differences, freezing of tissues and means of avoiding injury, harvesting, transportation, and storage. *Prerequisite*: Hort 201

MR. MUSSER

HORT 455—BREEDING HORTICULTURAL CROPS—3 cr. (2 and 3)

A study of the principles and practices of plant breeding. The principal topics include: inheritance of characters, modes of reproduction, techniques of selfing and crossing, selection, hybridization, disease and insect resistance, application of biometrical analysis, and field plot technique. *Prerequisite*: Agron 302

MR. GARRISON

HORT 456—TRUCK CROPS—3 cr. (2 and 3)

A detailed study of the principles and practices employed in the growing and marketing of truck crops. Emphasis is placed on plant characteristics, varieties, soils, fertilizers, harvesting, and preparation for market. *Prerequisite*: Hort 201

MR. GARRISON

HORT 460—ADVANCED LANDSCAPE DESIGN—3 cr. (2 and 3)

A study of civic improvement, mill villages, public buildings, squares, parks, storm water control, water courses, lakes, lawns, drives, and walks; trees and shrubs and their requirements; study of finished problems in landscape design, original problems, field work and costs. *Prerequisite*: Hort 306, 308 and 401, 403

MR. THODE

HORT 464—FOOD PRESERVATION—3 cr. (2 and 3)

Theoretical background and fundamental processes of food preservation. The course includes modern canning technique for community and commercial canneries; frozen food preservation; study of important crops grown in South Carolina suitable for canning; factors which influence the commercial operation of a cannery; causes of food spoiling; factors which influence quality packs; U. S. Standard grades for canned goods; and a study of jams, jellies and preserves, dehydration and pickle manufacturing. *Prerequisite*: Bact 301 and 303

MR. VAN BLARICOM

INDUSTRIAL ARTS

MR. MARSHALL

IN AR 301—INDUSTRIAL ARTS—1 cr. (0 and 3)

(a) An elective course in the art of wood turning based upon spindle and face plate turning in which correct design is emphasized.

(b) Practice in the proper handling of woodworking tools, their use and care.

MR. MARSHALL

IN AR 302—INDUSTRIAL ARTS—1 cr. (0 and 3)

An elective course in advanced machine woodworking. Making of well-designed furniture and cabinets. Wood finishing materials and their application. *Prerequisite*: In Ar 301 or In En 202

MR. MARSHALL

In Ar 303—Industrial Arts—2 cr. (1 and 3)

A course to include project construction, finishing, care of shop tools and equipment, characteristics of woods, fasteners, finishing materials, glues, and the shop budget.

Mr. Marshall

In Ar 304—Special Methods in Industrial Arts—2 cr. (1 and 3)

A study in fundamental skills, knowledges, and appreciation of woodwork. Special technique and method of approach in teaching shop subjects in high schools are also covered.

Mr. Marshall

INDUSTRIAL ENGINEERING

Mr. Freeman - Mr. Marshall
Mr. Brock Mr. Couch Mr. Meeks
Mr. Stenstrom

In En 101—Metal Processes—2 cr. (0 and 6)

A study of forge equipment; materials used in forgings, selections of materials, method of working and treating, heat treating, and case hardening. A study of materials used in foundry; the cupola, moulding sand, cores, patterns, the crucible furnace, the cleaning and inspection of castings. A study of welding equipment; safety practices, jigs, inspection and testing of welds. Lectures and demonstrations accompany this work.

Mr. Couch Mr. Meeks

In En 201—Metal Processes—2 cr. (0 and 6)

A study of metal cutting processes, including the possibilities and limitations in machine tool operation, job order, lot intermittent and mass production principles. The work is covered by lecture and shop practice with the fundamental machine and hand tools. *Prerequisite*: D D 106, Math 103, In En 101

Mr. Freeman Mr. Stenstrom

In En 202—Wood Processes—2 cr. (0 and 6)

A study of the most suitable materials, hand and machine tools used in the construction of wood patterns. The fundamental processes involved in the fashioning of typical patterns, keeping in mind the relations of the allied department, particularly those of the foundry.

Mr. Brock Mr. Marshall

In En 205—Construction Materials—2 cr. (2 and 0)

A study of the sources of materials used in industry; a study of wood, concrete, ferrous alloys, non-ferrous materials, brick, tile, and other building materials. This course is designed to help the engineer to select the proper material for any given job.

Mr. Couch

In En 302—Welding—2 cr. (1 and 3)

A study of the identification and weldability of metals; the equipment used; safe practices; welding materials and supplies; pre-treatment and after-treatment of welds; jigs and fixtures; inspection and testing; the cost of welding. *Prerequisite*: In En 101

Mr. Couch

In En 402—Metallurgy—3 cr. (2 and 3)

A general course in the fundamentals of engineering physical metallurgy. The course is designed to give students in other fields of engineering a general working knowledge of problems involving ferrous and nonferrous physical metallurgy. *Prerequisite*: Chem 101 and 102

Mr. Freeman

MATHEMATICS

Mr. Sheldon

Mr. Bell	Mr. Armstrong	Mr. Johnson
°Mr. Brewster	Mr. Brown	Mr. Nowack
Mr. Bryan	°Mr. Kelly	Mr. Potter
Mr. Coker	Mr. Park	Mr. Sullivan
Mr. Edwards	Mr. Stanley	°Mr. Vause
Mr. Kirkwood	Mr. Stuart	Mr. Wade
Mr. LaGrone	Mr. Harden	Mr. Wilson
°Mr. Miller	°Mr. Hind	

Math 100—Remedial Mathematics—Non-credit (5 and 0)

Required of all entering freshmen who fail to make a satisfactory grade on the placement examination in mathematics.

An intensified review of the basic principles of high school mathematics which are prerequisite for the study of college mathematics.

Staff

°On leave

MATH 101—COLLEGE ALGEBRA—3 cr. (3 and 0)

A study of elementary college algebra including the fundamental operations, factoring and fractions, equations, ratio and proportion, functions and their graphs, exponents, radicals, quadratic equations. *Prerequisite*: A satisfactory grade on the placement examination

STAFF

MATH 102—TRIGONOMETRY (PLANE)—3 cr. (3 and 0)

A study of the trigonometric functions, the solution of right and oblique triangles, trigonometric identities, trigonometric equations, graphs of the trigonometric functions, inverse trigonometric functions. *Prerequisite*: A satisfactory grade on the placement examination.

STAFF

MATH 103—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

Six weeks of college algebra followed by twelve weeks of plane trigonometry. *Prerequisite*: A satisfactory grade on the placement examination.

STAFF

MATH 104—FRESHMAN MATHEMATICS—5 cr. (5 and 0)

A course in analytic geometry including the straight line, the conics, transformation of coordinates, equations and their loci, followed by an introduction to solid analytic geometry. *Prerequisite*: Math 103

STAFF

MATH 201—DIFFERENTIAL CALCULUS—3 cr. (3 and 0)

A short course in the differentiation of algebraic and transcendental functions, maxima and minima, curve tracing. *Prerequisite*: Math 104

MR. EDWARDS

MATH 202—INTEGRAL CALCULUS—3 cr. (3 and 0)

A short course in the integration of simple functions, the definite integral, areas, volumes, lengths of lines. *Prerequisite*: Math 201

MR. BELL

MATH 203—DIFFERENTIAL CALCULUS—5 cr. (5 and 0)

A study of differentiation and its application to maxima and minima problems, curve tracing, curvature, rates, differentials. *Prerequisite*: Math 104

STAFF

MATH 204—INTEGRAL CALCULUS—5 cr. (5 and 0)

A study of integration and its application to areas, volumes, lengths of curves, multiple integration, engineering problems. *Prerequisite*: Math 203

STAFF

MATH 301—ADVANCED ALGEBRA—3 cr. (3 and 0)

An advanced treatment of ratio and proportion, variation, progressions, surds, imaginary quantities, equations, permutations, binomial and multinomial expansions, inequalities. *Prerequisite*: Math 104

MR. STANLEY

MATH 302—THEORY OF EQUATIONS—3 cr. (3 and 0)

A study of complex numbers, theorems on roots of polynomial equations, constructibility, approximations, determinants, matrices and symmetric functions. *Prerequisite*: Math 104

MR. ARMSTRONG

MATH 303—STATISTICS—3 cr. (3 and 0)

A study of graphs, frequency distributions, averages, measures of dispersion, moments, the normal curve, curve fitting, correlation, and index numbers. *Prerequisite*: Math 104

MR. JOHNSON

MATH 304—STATISTICS—3 cr. (3 and 0)

A continuation of Math 303. The mathematical basis of statistics will be emphasized in this course. The topics covered will include the theory of probability, the binomial distribution, the Chi-square distribution, theory of sampling, reliability of statistical differences, sequential analysis. *Prerequisite*: Math 204

MR. JOHNSON

MATH 305—INTERMEDIATE CALCULUS—3 cr. (3 and 0)

A short review of the theory of differentiation and integration followed by a study of parametric equations, polar equations, curvature, theorem of mean value, reduction formulas, series, expansion of functions, averages, hyperbolic functions, some solid analytic geometry, partial differentiation, multiple integrals. *Prerequisite*: Math 204

MR. KIRKWOOD

MATH 306—ORDINARY DIFFERENTIAL EQUATIONS—3 cr. (3 and 0)

Differential equations of the first order and first degree, equations of the first order but not of the first degree, linear differential equations, applications to physics and engineering. *Prerequisite*: Math 204

MR. STUART MR. STANLEY

MATH 401—COLLEGE GEOMETRY—3 cr. (3 and 0)

Theorems and concepts more advanced than those of high-school geometry. Detailed treatment of the various properties of the triangle, including the notable points, lines, and circles associated with it. *Prerequisite*: Math 104

MR. KELLY

MATH 451—VECTOR ANALYSIS—3 cr. (3 and 0)

A study of the algebra and calculus of vectors in two and three dimensions with applications to physics, geometry and engineering problems. *Prerequisite*: Math 305

MR. ARMSTRONG

MATH 453—ADVANCED CALCULUS—3 cr. (3 and 0)

A more extensive study of the differential and integral calculus than is given in the intermediate course with emphasis on applications and an introduction to theoretical questions. Topics include: power series, partial differentiation, implicit functions. the definite integral. *Prerequisite*: Math 305

MR. COKER

MATH 454—ADVANCED CALCULUS—3 cr. (3 and 0)

A continuation of Math 453. Topics include: Gamma and Beta functions; line, surface, and space integrals; Bessel functions; partial differential equations; calculus of variations; introduction to functions of a complex variable. *Prerequisite*: Math 453

MR. COKER

MATH 455—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A study of advanced mathematical topics pertinent to the field of engineering. Physical applications are stressed by the presentation of problems relating to the several branches of engineering. Topics include ordinary and partial differential equations, hyperbolic functions, infinite series, Fourier series, and Gamma and Bessel functions. *Prerequisite*: Math 306

MR. PARK

MATH 456—ADVANCED MATHEMATICS FOR ENGINEERS—3 cr. (3 and 0)

A continuation of Math 455. Further topics include functions of a complex variable, vector analysis, probability, and operational calculus. *Prerequisite*: Math 306

MR. PARK

MECHANICAL ENGINEERING

MR. FERNOW

MR. SAMS	MR. SUTTON	MR. HUDSON
MR. LEWIS	°MR. CARMICHAEL	MR. KERR
MR. WATSON	°MR. EDWARDS	MR. PERRY
MR. COOK	MR. HARRELSON	

M E 211—MECHANICAL ENGINEERING—2 cr. (2 and 0)

A study of the fundamentals of steam power, boilers, fuels, combustion and auxiliary equipment, gas power, internal combustion engines, auxiliary apparatus and related equipment.

MR. KERR

M E 213—ENGINEERING PROBLEMS—1 cr. (0 and 3)

To develop neatness, self-confidence, and an analytical approach to the solution of engineering problems. A review of logarithms; fundamentals

°On leave

of the slide rule and its application to practical engineering problems; an introduction to steam tables with practical problems in steam. *Prerequisite*: Math 103, 104 and enrollment in M E 211

Mr. Kerr

M E 302—Mechanical Engineering—3 cr. (3 and 0)

Elements of steam and gas power plants including fuels and combustion, gas and vapor processes and cycles, properties of air and steam, steam and gas engines, turbines, auxiliaries, and refrigeration. *Prerequisite*: Phys 211, 212; Math 204 or enrollment in Math 204

Mechanical Engineering Staff

M E 304—Mechanical Engineering Laboratory—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices. Testing of pumps, engines, fans, and compressors. *Prerequisite*: Enrollment in M E 302

Mechanical Engineering Staff

M E 305—Heat Power—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. *Prerequisite*: Math 203 and 204; Physics 211 and 212.

Mr. Cook

M E 306—Heat Power—3 cr. (3 and 0)

A continuation of M E 305. Thermodynamics of vapors with application to steam boilers, engines, turbines, power plant cycles, refrigeration and heat transfer problems. *Prerequisite*: M E 305

Mr. Carmichael

M E 309—Mechanical Laboratory—1 cr. (0 and 3)

The study and calibration of weight, pressure, area, and fluid flow measuring devices; flue gas analysis, power plant piping, lifting devices, centrifugal pump, and heat transfer. *Prerequisite*: M E 305 and enrollment in M E 306

Mr. Cook Mr. Hudson

M E 310—Mechanical Laboratory—1 cr. (0 and 3)

A study of the performance tests of steam turbines, blowers, Diesel engines, unaflow engines, air compressors and hydraulic turbines. *Prerequisite*: M E 306, 309

Mr. Harrelson

M E 311—Heat Power—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. This course is similar to M E 305 but with more time devoted to problems since prerequisites, M E 211 and 213, make possible longer assignments. *Prerequisite*: Math 203 and 204; Physics 211 and 212; M E 211 and 213

Mr. Cook Mr. Hudson

M E 312—Heat Power—3 cr. (3 and 0)

Elementary thermodynamics including gas laws, energy equations, processes, cycles, gas flow, and combustion together with application to appropriate power plant machinery. This course is similar to M E 305 but with more time devoted to problems since prerequisites, M E 211 and 213, make possible longer assignments. *Prerequisite*: M E 311

Mr. Sutton

M E 313—Heat Power Laboratory—1 cr. (0 and 3)

Study and calibration of weight, pressure, area, and fluid flow measuring devices, flue gas, and liquid fuel analysis, triplex pump, powerhouse piping and auxiliaries, friction test on steam engine and internal combustion engine. *Prerequisite*: Enrollment in M E 311

M E 314—Heat Power Laboratory—1 cr. (0 and 3)

Practical work in connection with coal analysis, tests of lifting devices, ram, injector, centrifugal pump, calorimeters, and study of water plant. *Prerequisite*: M E 313

Mr. Perry

M E 411—Heat Power—3 cr. (3 and 0)

Organization of steam, Diesel and hydro power plants with reference to the design and performance characteristics of the individual pieces of apparatus involved, variable load, costs, and economics. Buildings and foundations are briefly covered. *Prerequisite*: M E 312

Mr. Fernow

M E 412—Heat Power—3 cr. (3 and 0)

A continuation of M E 411, stressing the design, arrangement and economic justification of the boilers, prime movers, condensers, fuel handling equipment, stokers, pulverized fuel equipment, combustion, refuse handling equipment, fans, chimneys, water treatment, water heaters and deaerators, pumps, feed water regulation and the piping system design and layout. *Prerequisite*: M E 411

Mr. Fernow

M E 413—Heat Power Laboratory—2 cr. (0 and 6)

A practical application of the theory covered in M E 411. Performance tests of steam turbines, blowers, pumps, boilers, refrigeration plants, and hydraulic turbines are studied. *Prerequisite*: M E 314 and enrollment in M E 411

Mr. Watson and Staff

M E 414—Heat Power Laboratory—2 cr. (0 and 6)

Testing of all types of internal combustion engines, auxiliaries, and fuels. *Prerequisite*: M E 413

Mr. Lewis and Staff

M E 417—Design—2 cr. (1 and 3)

The solution of a variety of engineering problems under guidance to familiarize the student with the kind of work he may be called on to do after his first induction into industry. Completeness and orderly and logical work are stressed. *Prerequisite*: Enrollment in M E 411

Mr. Cook

M E 418—Design—2 cr. (1 and 3)

A continuation of M E 417. *Prerequisite*: Enrollment in M E 412

Mr. Hudson

M E 420—Administration—3 cr. (3 and 0)

Instruction in the principles of organizing, financing, and incorporating business enterprises; organization of the manufacturing establishment; buying and selling; contracts, accounting; management problems. *Prerequisite*: Senior standing

Mr. Sams

M E 421—Gas Engines—3 cr. (3 and 0)

Theoretical and actual cycles, performance characteristics, fuels, combustion, cooling, dynamics, ignition and injection of the two and four stroke cycle spark ignition and compression ignition engine. *Prerequisite*: M E 311 and 312

Mr. Lewis

M E 423—Gas Engine Design—1 cr. (0 and 3)

Limits and requirements in the design of both air cooled and liquid cooled spark ignition and compression ignition engines, the principle of similitude, detail design and sketching of the engine parts and an assembly drawing of an engine. *Prerequisite*: D D 306, M E 311, 312, and enrollment in M E 421

Mr. Lewis

M E 426—Steam Turbines—3 cr. (3 and 0)

Structural features, performance, and design of all types of steam turbines. *Prerequisite*: M E 312

Mr. Sams

M E 428—Turbine Design—1 cr. (0 and 3)

Complete design of nozzle and blade elements of impulse and reaction steam turbines. *Prerequisite*: Enrollment in M E 426

Mr. Sams

M E 429—Heating and Ventilation—2 cr. (2 and 0)

A study of the principles of heating and ventilation with emphasis on the following topics: factors affecting human comfort, the theory of heat transfer and the calculation of heat transmission coefficients, heat

losses from buildings, heating load, fuels and combustion, heat disseminators, heating boilers and their accessories and auxiliaries, steam heating, and hot water heating systems. *Prerequisite*: M E 305 or M E 311

Mr. Hudson

M E 430—Air Conditioning—2 cr. (2 and 0)

A study of the principles of air conditioning embodied in air distribution and air cleaning, humidification and dehumidification, warm air heating systems, cooling systems, automatic control apparatus, unit heaters, and unit air conditioners. *Prerequisite*: M E 312 or M E 306 and M E 429

Mr Watson

M E 431—Heating and Ventilation Design—1 cr. (0 and 3)

To offer practical application of the theory covered in M E 429 in the design of heating and ventilation systems for specific conditions. *Prerequisite*: Enrollment in M E 429

Mr. Hudson

M E 432—Air Conditioning Design—1 cr. (0 and 3)

To provide practical application of the theory covered in M E 430 in the design of air conditioning systems. *Prerequisite*: Enrollment in M E 430

Mr. Watson

M E 433—Elementary Aerodynamics—2 cr. (2 and 0)

Physical properties of air, effects of deflecting air streams, air flow, airfoils, drag, power plants, propellers, control surfaces and stability; performance at sea level and at altitude. Calculations are made for an airplane to determine its performance at sea level and at altitude, including take off and landing distance, endurance, range and load during turns. *Prerequisite*: Mech 304

Mr. Sutton

M E 434—Refrigeration—2 cr. (2 and 0)

Underlying thermodynamics of refrigeration and design and operating characteristics of compression and absorption systems. Ice making and cold storage. *Prerequisite*: M E 312

Mr. Fernow

M E 461—Analysis of Thermodynamic Problems—3 cr. (3 and 0)

Engineering problems involving the use of differential and integral calculus including ordinary differential equations, partial differentiation, multiple integrals, partial differential equations, line integrals, and series. *Prerequisite*: M E 311, 312

M E 464—Heat Transmission—3 cr. (3 and 0)

A comprehensive study of the principles of Heat Transmission with applications to engineering problems. Special emphasis is given to the following topics: heat conduction in the steady and unsteady states; dimensional analysis of convection; free and forced convection; the combined effects of conduction and convection; heat transfer in condensing and boiling; radiation; and the combined effects of conduction, convection, and radiation. *Prerequisite*: M E 311, 312 and registration in Math 306

Mr. Watson

M E 501—Advanced Air Conditioning—3 cr. (3 and 0)

An analysis of the principles of air conditioning. The following topics are among those covered; enthalpy of air-vapor mixtures; adiabatic mixtures of air with water, steam, or ice; fogged air; adiabatic saturation; air in contact with water; fundamental simultaneous and fundamental successive conditioning processes; humid air below 32° F.; geometry of the psychrometric chart. A critical analysis of current literature on special topics. *Prerequisite*: M E 429, 430, 431 and 432

Mr. Watson

M E 510—Advanced Thermodynamics—3 cr. (3 and 0)

This course supplements and extends the material covered in elementary thermodynamics. Special topics relative to advanced problems in engineering are pursued. *Prerequisite*: M E 311, 312, 411, 412 and registration in Math 306

M E 521—Internal Combustion Engines—3 cr. (3 and 0)

Internal combustion process analysis, deviation from the ideal processes, detonation, and knock testing, carburation and fuel injection, combustion chamber and cylinder head design, engine cooling, mechanics of principle moving parts, engine vibration and balance and engine design.

Mr. Lewis

M E 522—Internal Combustion Engines—3 cr. (3 and 0)

A continuation of M E 521.

Mr. Lewis

M E 523—Internal Combustion Engine Laboratory—1 cr. (0 and 3)

Analysis of engine instrumentation, air-fuel ratio tests, detonation limited power test, injection and analysis with test apparatus, fuels testing and general test codes.

Mr. Lewis

M E 524—Gas Turbines—3 cr. (3 and 0)

Gas turbine process analysis, deviation from the ideal processes, fuels stratication, efficiencies, pressure ratio including the development of charts for cycle analysis.

Mr. Lewis

M E 526—Advanced Steam Turbines—2 cr. (2 and 0)

Mr. Sams

M E 528—Advanced Steam Turbines Design—1 cr. (0 and 3)

Mr. Sams

M E 531—Solution of Advanced Engineering Problems—3 cr. (3 and 0)

A thorough analysis of several engineering problems from a mathematical and thermodynamic standpoint. *Prerequisites*: Math 306, M E 312, 411, and 412.

M E 532—Applied Heat Transfer—3 cr. (3 and 0)

The application of heat transfer to several engineering problems pertaining to the design of heat transfer equipment such as boilers, condensers, evaporators, and air preheaters. *Prerequisites*: M E 312, 411, 412 and registration in Math 306.

M E 591—Research—3 cr.

Research and development of a project for a master's thesis.

M E 592—Research—3 cr.

A continuation of M E 591.

MECHANICS AND HYDRAULICS

Mr. Curtis

Mr. Harley	Mr. Moorman	Mr. Hromi
Mr. Humphreys	Mr. Robinson	Mr. McDonald
	Mr. Byars	

Mech 302—Mechanics (Statics)—3 cr. (3 and 0)

An elementary technical study of force systems and their action on rigid bodies at rest, devoted to development of facility in free body analysis. Topics also considered are center of gravity, moment of inertia of areas, and friction. *Prerequisite*: Math 204, Phys 211

Mechanics and Hydraulics Staff

Mech 303—Mechanics (Kinetics)—3 cr. (3 and 0)

A continuation of Mech 302. Analytical kinematics and the effects of forces in producing motion of rigid bodies are major considerations. Among the principal topics, whose engineering applications are developed, are: Second Law of Motion for translation and rotation; work, energy, and power; impulse and momentum. *Prerequisite*: Mech 302

Mechanics and Hydraulics Staff

Mech 304—Mechanics of Materials—3 cr. (3 and 0)

To acquaint students with certain physical constants and stresses in structural members and machine parts, and to illustrate rational derivation of formulas for internal stresses. Among topics covered are: Deformation and stress; torsion; riveted joints; flexure and deformation of beams; combined stresses in short blocks; columns. *Prerequisite*: Mech 302

Mechanics and Hydraulics Staff

Mech 305—Mechanics of Materials Laboratory—1 cr. (0 and 3)

A laboratory course planned for students in certain branches designed to illustrate points and principles considered in Mech 304. *Prerequisite*: Must be accompanied, or preceded by Mech 304

Mechanics and Hydraulics Staff

MECH 306—GRAPHIC STATICS—1 cr. (0 and 3)

Graphical analysis of force systems and of stresses in statically determinate frames. Given for students in certain branches. *Prerequisite*: Must be accompanied, or preceded by Mech 302

MECHANICS AND HYDRAULICS STAFF

MECH 401—FLUID MECHANICS—3 cr. (3 and 0)

A study of the forces on fluids at rest and in motion together with consideration of various flow measurement devices and of power developing and using units. Among the items considered are: Hydrostatic pressure and devices for measuring it; hydraulic similitude; measurements of flow by orifices, weirs, and various meters; flow in pipes; open channels; turbines and pumps. *Prerequisite*: Mech 303 (for Civil Engineering Majors, Mech 302)

MR. CURTIS MR. HUMPHREYS MR. ROBINSON
MR. HARLEY MR. MOORMAN

MECH 403—FLUID MECHANICS LABORATORY—1 cr. (0 and 3)

A laboratory course for students in certain branches to illustrate the principles of Mech 401. Also special exercises are given in stream gaging, drainage area study, runoff, and rainfall. *Prerequisite*: Must be accompanied, or preceded by Mech 401

MECHANICS AND HYDRAULICS STAFF

MECH 460—HYDROLOGY—3 cr. (3 and 0)

A study of the principles concerning the occurrence of water in nature and the practice of engineering in dealing with it in connection with design of water supplies and structures. *Prerequisite*: Mech 401 and 403; approval by instructor.

MR. CURTIS MR. MOORMAN

MECH 462—WATER POWER ENGINEERING—3 cr. (3 and 0)

Principles and practices involved in the investigation and planning of hydraulic power developments and the selection of hydraulic machinery. *Prerequisite*: Mech 460, or special approval by instructor.

MR. CURTIS

MECH 464—FLOW IN OPEN CHANNELS—2 or 3 cr. (2 or 3 and 0)

Consideration of steady flow, including study of the hydraulic jump, backwater curves, bends, transitions and obstructions, and analysis of special methods of flood routing. *Prerequisite*: Mech 401 and approval of instructor

MR. MOORMAN

MECH 502—SPECIAL TOPICS IN MECHANICS OF MATERIAL—3 cr. (3 and 0)

A study of the general state of stress, strain-energy methods, theories of failure, indeterminate problems in bending, curved bars, dynamic stresses, plates and problems of elastic stability. *Prerequisite*: Mech 304 and graduate standing.

MR. MCDONALD

MECH 504—DYNAMICS—3 cr. (3 and 0)

A development of more advanced methods of analysis of problems in dynamics with emphasis on practical solutions. Topics are systems with variable mass and variable forces, shaking forces, balancing, vibration, gyroscopes and models. *Prerequisite*: Mech 303 and graduate standing.

MR. MCDONALD

MECH 506—FLUID MECHANICS II—3 cr. (3 and 0)

A comprehensive study of the principles of fluid flow and the application of the principles to practical engineering problems. Among the topics considered are fluid velocity and acceleration, significance of the flow net, pressure distributions, viscosity, surface tension, compressibility, boundary layer, and circulation and magnus effect. *Prerequisite*: Mech 401 and graduate standing.

MR. HUMPHREYS

MECH 508—FLOOD CONTROL—3 cr. (3 and 0)

A study of the hydrology of floods and the engineering considerations relating to their control. Topics considered in the scope of control measures are economic justification, types of control structures and a survey of flood control measures on major streams in the United States. *Prerequisite*: Mech 460 and graduate standing.

MR. CURTIS MR. MOORMAN

MECH 510—ADVANCED HYDROLOGY—2 cr. (2 and 0)

Special work to strengthen the student's background in modern methods. The technical literature is used extensively for latest developments. Emphasis is laid on work on evaporation, infiltration and the synthetic hydrograph. *Prerequisite*: Mech 460 and graduate standing.

MR. CURTIS

MECH 512—HYDRAULIC PROJECTS—3 cr. (3 and 0)

This course is devoted to the detailed investigation of engineering problems in hydraulics and related fields. Application of theoretical principles developed in previous courses is emphasized. Subjects included are spillway and stilling basin, reservoirs, and inverted siphons. *Prerequisite*: Mech 460 and 464; must be accompanied or preceded by Mech 506.

MR. HUMPHREYS MR. MOORMAN

MILITARY SCIENCE

COL. COOKSON

LT. COL. SMITH
LT. COL. WATSON
LT. COL. WHITLAW
MAJ. FOSTER
CAPT. ANDERSON
CAPT. BYNUM
CAPT. COAKLEY
CAPT. CRONIN
CAPT. GRAMLING
CAPT. KIRBY
CAPT. NAUCK
CAPT. SMITH
M/SGT. BARNES
M/SGT. GELINA
M/SGT. GRUNEWALD
M/SGT. MCDONALD
M/SGT. RIMMER
M/SGT. TOSH
M/SGT. ZORENS
SGT. 1 CL. BASSETT
SGT. 1 CL. COX
SGT. 1 CL. ELLIOTT
SGT. 1 CL. HUTSON
SGT. KEELING
SGT. MARLOW
SGT. SCOVIL

M S 101—MILITARY DRILL—0 cr. (0 and 3)

Training in customs, discipline, and leadership to prepare and develop cadets for duties as junior noncommissioned officers. Principal topics are principles of discipline; customs of the Army; wearing of the uniform; conduct of noncommissioned officers; purpose of drill; drill of the soldier with and without arms; squad and platoon drill; parades, reviews, inspections, and other ceremonies.

STAFF

M S 102—MILITARY DRILL—0 cr. (0 and 3)

A continuation of M S 101.

STAFF

M S 103—Military Science and Tactics (Basic)—1 cr. (2 and 0)

This course is an introduction to military science. Generally basic in nature, the course deals with topics relating to the Army and Air Force as a whole, without attempting specialization into various branches of the services. Principal topics are military policy of the U. S., The National Defense Act and the ROTC, evolution of warfare, geographic foundations of national power and hygiene and first aid.

Staff

M S 104—Military Science and Tactics (Basic)—1 cr. (2 and 0)

A continuation of M S 103. Principal topics are maps and aerial photographs, and military psychology and personnel management.

Staff

M S 201—Military Drill—0 cr. (0 and 3)

Practical training for duty as officers in the armed services by supervised training in actual command during military drills, parades, reviews, inspections and ceremonies.

Staff

M S 202—Military Drill—0 cr. (0 and 3)

A continuation of M S 201.

Staff

M S 203—Military Science and Tactics (Infantry)—1 cr. (2 and 0)

Theoretical and practical instruction on a basic level in subjects pertinent to the infantry and designed to develop the initiative responsibility and technical knowledge required for qualification as a junior officer of the infantry arm. Principal topics are: military organization, weapons, and combat formations. *Prerequisite*: M S 103 and 104

Captain Anderson

M S 204—Military Science and Tactics (Infantry)—1 cr. (2 and 0)

A continuation of M S 203. Principal topics are: technique of fire of the rifle squad, scouting and patrolling, tactics of the rifle squad and marksmanship. *Prerequisite*: M S 203

Captain Anderson

M S 205—Military Science and Tactics (Quartermaster Corps)—1 cr. (2 and 0)

An introduction to Quartermaster Corps activities with theory instruction and practical application thereof. Principal topics are organization for supply in the Army, quartermaster units, classification of supplies, property accountability, and research and development trends. *Prerequisite*: M S 104

Master Sergeant Grunewald

M S 206—Military Science and Tactics (Quartermaster Corps)—1 cr. (2 and 0)

A continuation of M S 205. Principal topics include functions and operations of quartermaster units and unit and organizational supply. *Prerequisite*: M S 205

Master Sergeant Grunewald

M S 207—Military Science and Tactics (Signal Corps)—1 cr. (2 and 0)

An introduction to signal communications, evolution of communications, and communications equipment, history of the Signal Corps, practices and equipment employed by lower echelons of Army units, practical exercises to include installation and operation of basic signal communications equipment.

Captain Nauck

M S 208—Military Science and Tactics (Signal Corps)—1 cr. (2 and 0)

A continuation of M S 207. A study of the fundamentals of army organization, missions and functions of the Signal Corps, organization, missions and signal communication practices of the Infantry, armored and airborne divisions. *Prerequisite*: M S 207

Captain Nauck

M S 215—Military Science and Tactics (Armored Cavalry)—1 cr. (2 and 0)

Training in basic subjects in preparation for advanced level Armored Cavalry. Principal subjects are: armored cavalry weapons, and materials. *Prerequisite*: M S 104

Lieutenant Colonel Whitlaw

M S 216—Military Science and Tactics (Armored Cavalry)—1 cr. (2 and 0)

A continuation of M S 215. Principal subjects are: basic communications, basic motors, history and missions of armored cavalry, scouting and patrolling, and mechanical training with tank weapons. *Prerequisite*: M S 215

Lieutenant Colonel Whitlaw

M S 217—Military Science and Tactics (Corps of Engineers)—1 cr. (2 and 0)

Theoretical and practical training in subjects pertaining to the tactics and techniques employed by the Corps of Engineers, including history and traditions of the corps of engineers, hand tools and rigging, explosives and demolitions, mines and booby traps, and camouflage. *Prerequisite*: M S 104

Master Sergeant Barnes

M S 218—Military Science and Tactics (Corps of Engineers)—1 cr. (2 and 0)

A continuation of M S 217, including characteristics of weapons, organization and tactics of small units (squad and platoon level), organization of the ground and field fortifications, and defense against chemical attack. *Prerequisite*: M S 217

Master Sergeant Barnes

M S 219—Military Science and Tactics (Ordnance Department)—1 cr. (2 and 0)

Theoretical and practical instruction in relation of the ordnance department to the army as a whole, together with instruction in tactics and technique of the ordnance department. Ordnance material topics include basic small arms, ammunition, and artillery. *Prerequisite*: M S 104

Captain Bynum

M S 220—Military Science and Tactics (Ordnance Department)—1 cr. (2 and 0)

A continuation of M S 219. Ordnance materiel topics include fire control instruments and automotive. *Prerequisite*: M S 219

Captain Bynum

M S 301—Military Drill—0 cr. (0 and 3)

Training for duty as officers by application of principles of leadership in actual command during drills, parades, reviews, inspections, and ceremonies.

Staff

M S 302—Military Drill—0 cr. (0 and 3)

A continuation of M S 301.

Staff

M S 303—Military Science and Tactics (Infantry)—3 cr. (4 and 0)

Advanced theoretical and practical training in subjects applicable to the army as a whole, together with tactics and techniques employed by the infantry. Principal subjects are: weapons of the infantry regiment and rifle marksmanship, organization, gunnery and communications. *Prerequisite*: M S 203 and 204

Staff

M S 304—Military Science and Tactics (Infantry)—3 cr. (4 and 0)

A continuation of M S 303. Principal subjects are: combat intelligence, estimate of the situation and combat orders, field fortifications and tactics of the rifle company and heavy weapons platoons. *Prerequisite*: M S 303

Staff

M S 305—Military Science and Tactics (Quartermaster Corps)—3 cr. (4 and 0)

Theoretical and practical training in subjects applicable to the army as a whole together with tactics and techniques utilized by the quartermaster corps. Principal topics include station supply, depot supply procedures and storage, warehousing and materials handling equipment. *Prerequisite*: M S 206

Captain Kirby

M S 306—Military Science and Tactics (Quartermaster Corps)—3 cr. (4 and 0)

A continuation of M S 305, with specific emphasis on the following topics: procurement of petroleum products, operation of commissaries, quartermaster maintenance and reclamation activities and individual weapons and marksmnship. *Prerequisite*: M S 305

Captain Kirby

M S 307—Military Science and Tactics (Signal Corps)—3 cr. (4 and 0)

Theoretical and practical training on tactics and techniques utilized by the signal corps on a division level. Principal topics are communication security, signal center procedure and military radio communication fundamentals. Prerequisite: M S 208

Captain Nauck

M S 308—Military Science and Tactics (Signal Corps)—3 cr. (4 and 0)

A continuation of M S 307. Principal topics are wire communication fundamentals, signal supply and continued training in tactics and techniques as applies to signal corps units. *Prerequisite*: M S 307

Captain Nauck

M S 315—Military Science and Tactics (Armored Cavalry)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole together with tactics and techniques employed by armored cavalry. Principal topics are: organization, gunnery, motors, and tank driving. *Prerequisite*: M S 216

Captain Gramling

M S 316—Military Science and Tactics (Armored Cavalry)—3 cr. (4 and 0)

A continuation of M S 315. Principal topics are: troop leading, communications, tactics, and tank driving. *Prerequisite*: M S 315

Captain Gramling

M S 317—Military Science and Tactics (Corps of Engineers) —3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects pertaining to the tactics and techniques employed by the corps of engineers, including organization of combat divisions, organization of engineer units, vehicle operation and maintenance, military roads and runways, tactics of engineer units (platoon and company levels), and engineer combat intelligence. *Prerequisite*: M S 218

Major Foster

M S 318—Military Science and Tactics (Corps of Engineers) —3 cr. (4 and 0)

A continuation of M S 317 including engineer supply, bridge design and classification, individual weapons and marksmanship, water supply, and engineer signal communications. *Prerequisite*: M S 317

Major Foster

M S 319—Military Science and Tactics (Ordnance Department) —3 cr. (4 and 0)

Theoretical and practical instruction on organization of the ordnance department, together with tactics and techniques of the ordnance department. Ordnance materiel topics include advanced instruction in automotive, small arms, and artillery. *Prerequisite*: M S 220

Captain Bynum

M S 320—Military Science and Tactics (Ordnance Department) —3 cr. (4 and 0)

A continuation of M S 319. Ordnance materiel topics include ammunition materiel and supply, fire control, and individual weapons and marksmanship.

Captain Bynum

M S 401—Military Drill—0 cr. (0 and 3)

Continued training of officers by application of instruction, methods, and principles of leadership in positions of command during drills, parades, reviews, inspections, and ceremonies.

Staff

M S 402—Military Drill—0 cr. (0 and 3)

A continuation of M S 401.

Staff

M S 403—Military Science and Tactics (Infantry)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in command, leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the infantry arm. Principal topics are military teaching methods, command and staff, organization, communications, and supply and evacuation. *Prerequisite*: M S 304

Lieutenant Colonel Watson

M S 404—Military Science and Tactics (Infantry)—3 cr. (4 and 0)

A continuation of M S 403. Principal topics are troop movement, the military team, the infantry battalion in attack and defense, and new developments of clothing, equipment and tactics. *Prerequisite*: M S 403

Lieutenant Colonel Watson

M S 405—Military Science and Tactics (Quartermaster Corps)—3 cr. (4 and 0)

Theoretical and practical training in quartermaster activity on both station and unit level. Principal topics include fiscal and procurement procedures, combat and technical intelligence, and command and staff organization. *Prerequisite*: M S 306

Captain Cronin

M S 406—Military Science and Tactics (Quartermaster Corps)—3 cr. (4 and 0)

A continuation of M S 405 with the principal topics covered being functions of the combatant arms and technical services, quartermaster operations in the zone of the interior and the theater of operations. *Prerequisite*: M S 405

Captain Cronin

M S 407—Military Science and Tactics (Signal Corps)—3 cr. (4 and 0)

Theoretical and practical training on an advanced level in subjects applicable to the army as a whole, and the development of initiative and responsibility for qualification as junior officers of the signal corps. Principal topics are: command and staff, combat intelligence, military teaching methods, wire communication materiel. *Prerequisite*: M S 308

Captain Nauck

M S 408—Military Science and Tactics (Signal Corps)—3 cr. (4 and 0)

A continuation of M S 407. Principal topics are radio communication material, higher echelon signal communication and equipment and continued training in tactics and techniques employed by the signal corps. *Prerequisite*: M S 407

Captain Nauck

M S 415—Military Science and Tactics (Armored Cavalry)—3 cr. (4 and 0)

Theoretical and practical instruction in command and leadership, combat principles, and development of initiative and responsibility for qualification as junior officers of the armored cavalry arm. Principal topics are: psychological warfare, military problems of the United States, military teaching methods, military mobilization and demobilization, new developments, troop leading, communications, gunnery and motors. *Prerequisite*: M S 316

Lieutenant Colonel Whitlaw

M S 416—Military Science and Tactics (Armored Cavalry)—3 cr. (4 and 0)

A continuation of M S 415. Principal topics are: combat intelligence, supply and evacuation, tactics, tank driving. *Prerequisite*: M S 415

Lieutenant Colonel Whitlaw

M S 417—Military Science and Tactics (Corps of Engineers)—3 cr. (4 and 0)

Theoretical and practical instruction in subjects pertaining to the army as a whole, including military administration, and military teaching methods, tactics and techniques employed by the corps of engineers including

engineer support for the air force, command and staff, motor movements, engineer support for the communications zone, and engineer support for the field army. *Prerequisite*: M S 318

MAJOR FOSTER

M S 418—MILITARY SCIENCE AND TACTICS (CORPS OF ENGINEERS) —3 cr. (4 and 0)

A continuation of M S 417 including: construction, utilities and job management, river crossing operations, military law and boards, and psychological warfare. *Prerequisite*: M S 417

MAJOR FOSTER

M S 419—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT) —3 cr. (4 and 0)

Theoretical and practical instruction on an advanced level in subjects pertaining to the army as a whole, together with tactics and techniques of the ordnance department. Principal topics are military administration and personnel management, military teaching methods, psychological warfare, maintenance and supply procedures (ordnance), command and staff, and combat intelligence. *Prerequisite*: M S 320

CAPTAIN BYNUM

M S 420—MILITARY SCIENCE AND TACTICS (ORDNANCE DEPARTMENT) —3 cr. (4 and 0)

A continuation of M S 419. Principal topic is ordnance materiel specialty instruction.

CAPTAIN BYNUM

MUSIC

MR. MCGARITY

MUSIC 402—MUSIC APPRECIATION—3 cr. (3 and 0)

This course is a comprehensive study of the development of music and factors leading toward the understanding of better music. Records and piano renditions of representative literature of outstanding composers are offered. This course is required for all students in Education, Vocational Agricultural Education, and Industrial Education.

MR. MCGARITY

PHYSICS

Mr. Huff

Mr. Lindsey	Mr. Jarrell	Mr. Reaves
Mr. A. R. Reed	Mr. Shackelford	Mr. Suddeth
Mr. C. A. Reed	Mr. K. L. Wood	Mr. W. A. Wood
	*Mr. Clark	

Phys 201—General Physics—3 cr. (3 and 0)

A study of mechanics and heat including the laws of motion, equilibrium, machines, mechanical and thermal properties of solids, liquids, and gases, thermometry and heat transfer. *Prerequisite*: Registration in Phys 203

Staff

Phys 202—General Physics—3 cr. (3 and 0)

A continuation of the previous course covering wave motion, sound, geometrical optics, light waves and spectra, magnetism, static and current electricity, circuits, and electrical machines. *Prerequisites*: Phys 201; registration in Phys 204

Staff

Phys 203—General Physics Laboratory—1 cr. (0 and 3)

Experiments testing the laws studied in Phys 201, giving experience in measuring the physical properties of matter and practice in the use of precision instruments and the treatment of observed data. *Prerequisite*: Registration in Phys 201

Staff

Phys 204—General Physics Laboratory—1 cr. (0 and 3)

Experiments with sound waves, lenses, refraction and diffraction of light, magnetic fields, electrical circuits, measurements with electrical instruments. *Prerequisite*: Registration in Phys 202

Staff

*On leave

PHYS 211—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

This course covers the same topics as Phys 201 but with more emphasis on the solution of problems and applications to engineering. *Prerequisites*: Math 103 and 104; registration in Phys 213

STAFF

PHYS 212—GENERAL PHYSICS FOR ENGINEERING—4 cr. (4 and 0)

A continuation of Phys 211 covering the same topics as Phys 202 with emphasis on applications to engineering problems. *Prerequisites*: Math 103 and 104; registration in Phys 214

STAFF

PHYS 213—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

The same topics are covered as in Phys 203 but more precise apparatus is provided and more advanced experiments are performed. *Prerequisite*: Registration in Phys 211

STAFF

PHYS 214—GENERAL PHYSICS LABORATORY—1 cr. (0 and 3)

A continuation of Phys 213 with emphasis on the accurate measurement of electrical quantities and the properties of light. *Prerequisite*: Registration in Phys 212

STAFF

PHYS 301—INTRODUCTION TO MODERN PHYSICS—3 cr. (3 and 0)

A continuation of the General Physics course to cover the important experiments of the current century, including the measurement of the properties of electrons, and other particles, and an introduction to the theories based on these experiments. *Prerequisites*: Phys 201 and 202 or 211 and 212. Math 203 and 204

MR. HUFF

PHYS 303—EXPERIMENTS IN MODERN PHYSICS—1 cr. (0 and 3)

Measurements of the charge and mass of the electron, studies of thermo- and photo-electric effects, measurements with radioactive materials and with X-rays. *Prerequisite*: Registration in Phys 301

MR. HUFF

PHYS 304—DESCRIPTIVE ASTRONOMY—3 cr. (3 and 0)

A survey of the properties of the planets and their satellites, their actual and apparent motions, the properties of stars and nebulae, and introduction of the determination of latitude and longitude. *Prerequisites*: Phys 201 and 202 or 211 and 212

MR. HUFF

PHYS 308—SOUND AND ACOUSTICS—3 cr. (3 and 0)

A study of the production, propagation, properties and measurement of sound waves with emphasis on the acoustics of buildings. *Prerequisites*: Phys 201 and 202 or 211 and 212; registration in Math 201 or 203

MR. C. A. REED

PHYS 312—HEAT AND KINETIC THEORY—4 cr. (4 and 0)

Instruction in thermometry, calorimetry, change of state, kinetic theory of gases and elements of thermodynamics with emphasis on chemical applications. *Prerequisites*: Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. LINDSEY

PHYS 314—EXPERIMENTAL HEAT—1 cr. (0 and 3)

Practical instruction in the measurement of high and low temperatures, thermal properties of solids, liquids, and gases; heats of combustion, heat conduction and radiation. *Prerequisite*: Registration in Phys 312

MR. LINDSEY

PHYS 321—MECHANICS AND PROPERTIES OF MATTER—4 cr. (4 and 0)

A study of the motions of particles and of rigid bodies, gyroscopes, elasticity, surface tension, the flow of fluids, gravitation. *Prerequisites*: Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. C. A. REED

PHYS 323—EXPERIMENTAL MECHANICS—1 cr. (0 and 3)

Practice in the precise measurements of length, mass, and time; experiments with pendulums, gyroscopes, and other mechanical apparatus. *Prerequisite*: Registration in Phys 321

MR. C. A. REED

PHYS 401—SENIOR THESIS AND SEMINAR—3 cr. (1 and 6)

This course is intended to give the student a general knowledge of current trends in physics as well as a more detailed review of the historical papers in the field. The Senior Thesis is a semi-original piece of work under the direction of the physics staff. The work in general is done in one of the following fields: X-ray, electron microscopy, ultra-violet spectroscopy, and electronics. *Prerequisite*: At least three physics courses beyond General Physics

STAFF

PHYS 432—LIGHT—4 cr. (4 and 0)

Introduction in the formation of images by lenses and mirrors and the design of optical instruments; theory of interference and diffraction of light waves, polarization; applications to spectroscopy and precision measurement. *Prerequisites*: Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. LINDSEY

PHYS 434—EXPERIMENTAL LIGHT—1 cr. (0 and 3)

Measurements of the properties of lens systems and the defects of the images produced, the effects of slits on light waves, measurements with a spectrograph, use of the interferometer, polarimetry. *Prerequisite*: Registration in Phys 332

MR. LINDSEY

PHYS 441—MAGNETISM AND ELECTRICITY—4 cr. (4 and 0)

A study of the magnetic and electrical properties of materials, electrical circuits, properties of electromagnetic fields, electromagnetic waves. *Prerequisites*: Phys 201 and 202 or 211 and 212; Math 203 and 204

MR. JARRELL

PHYS 443—EXPERIMENTAL ELECTRICITY—1 cr. (0 and 3)

Measurements with precision electrical instruments including bridges and potentiometers; low and high frequency circuits; standing waves on wires. *Prerequisite*: Registration in Phys 341

MR. JARRELL

PHYS 452—ATOMIC AND NUCLEAR PHYSICS—3 cr. (3 and 0)

Elementary development in quantum theory; applications to electron arrangements in atoms, molecular beams, atomic and molecular spectra; considerations of nuclear structure, fission and atomic energies. *Prerequisites*: Phys 301, completion of two of the courses Phys 312, 321, 332, 341

MR. JARRELL

PHYS 501—RESEARCH—3 cr. (0 and 6)

Instruction in methods of research including investigation in the laboratory, a search through physics journals, and presentation of results in a research seminar. A research problem will be carried out under the direction of one member of the faculty.

MR. HUFF MR. LINDSEY MR. C. A. REED MR. JARRELL

PHYS 502—RESEARCH—3 cr. (0 and 6)

A continuation of Physics 501 carrying the research to completion.

MR. HUFF MR. LINDSEY

PHYS 511—THERMODYNAMICS—3 cr. (3 and 0)

A study of the laws of thermodynamics entrophy and properties of pure substances, engine cycles, the applications of thermodynamics to various systems and applications to chemical systems.

MR. C. A. REED

PHYS 512—KINETIC THEORY AND STATISTICAL MECHANICS—3 cr. (3 and 0)

A development of the kinetic theory of gases including derivations of relationships between molecular diameters, distribution of velocities, mean free paths, viscosity, thermal conductivity, specific heat, entropy, probability and reaction kinetics. The basic concepts of statistical mechanics for classical and quantum systems will be developed.

MR. HUFF

PHYS 521—DYNAMICS—3 cr. (3 and 0)

A study of the more advanced phase of dynamics including the equations of Lagrange and Hamilton, generalized coordinates, oscillatory and cyclic motion and the Newtonian potential theory.

MR. LINDSEY

PHYS 541—ELECTRODYNAMICS—3 cr. (3 and 0)

This course starts with Maxwell's equations for electric and magnetic fields and includes consideration of production and propagation of electromagnetic waves, wave optics and theories of interference and diffraction.

MR. JARRELL

PHYS 551—INTRODUCTION TO QUANTUM MECHANICS—3 cr. (3 and 0)

An introductory course formulating the mathematical and physical ideas associated with wave mechanics. Solution of simple physical systems including the hydrogen atom are discussed. *Prerequisites*: Phys 301 and Math 306

MR. HUFF

PHYS 552—THEORY OF ATOMIC SPECTRA—3 cr. (3 and 0)

A study of the excitation of spectra, computation of wave lengths from spectral photographs, the computation of energy levels and the correlation with theories of atomic structure.

MR. HUFF

PHYS 553—NUCLEONICS—3 cr. (3 and 0)

This course is designed to give the basic properties of and the experimental methods employed in the study of particles associated with the nucleus. A survey is made of the theories so far advanced for the interaction of these particles and the theories pertaining to the structure of simple nuclei.

MR. HUFF

PHYS 563—INTRODUCTION TO MATHEMATICAL PHYSICS—5 cr. (5 and 0)

A study of the general methods used in attacking mechanical problems in physics. Typical topics are: the linear oscillator; Lagranges and Hamilton's equations; motion of rigid bodies; normal coordinates and coupled systems; vibrating strings, membranes and solids; and the flow of fluids. *Prerequisite*: Math 306 and permission of instructor

MR. HUFF

PHYS 564—INTRODUCTION TO MATHEMATICAL PHYSICS—5 cr. (5 and 0)

The general laws of electromagnetism are first developed and then applied in a unified manner to the classical theory of electromagnetic radiation. Besides the usual discussion of reflection, refraction and diffraction of electromagnetic radiation some time is devoted to waive guides and cavity resonators. *Prerequisite:* Math 306 and permission of instructor

MR. HUFF

PHYS 566—RELATIVITY—3 cr. (3 and 0)

This course is intended to give a survey of the special and general theory of relativity including tensor calculus, the Lorentz transformation and the three experimental tests of the general theory: (1) planetary motion and the advance of the perihelion of Mercury (2) the bending of light rays in a gravitational field and (3) the gravitational shift of spectral lines.

MR. HUFF

POULTRY HUSBANDRY

MR. MORGAN MR. COOPER

P H 301, 303—FARM AND COMMERCIAL POULTRY PRODUCTION—4 cr. (3 and 3)

A study of the nature and uses of poultry products, scope of the industry and agencies involved, classification of poultry, structure of the fowl, fundamentals of flock improvement, incubation, brooding, feeding, housing, disease control and sanitation, and the economic aspects of poultry production as a farm enterprise and a commercial business.

MR. COOPER

P H 451—POULTRY BREEDING—3 cr. (2 and 3)

A study of poultry improvement through culling and selection for meat and egg production and standard breed and variety characteristics, and the application of genetics to the problems of poultry breeding. *Prerequisites:* P H 301, 303 and Dairy 301 or Agron 302

MR. MORGAN

P H 452—POULTRY FEEDING AND FLOCK MANAGEMENT—3 cr. (2 and 3)

A study of the nutritive requirements of poultry, dietary deficiencies and curative factors, the compounding of rations for growing, laying and

breeding flocks of chickens and turkeys, the value of various feedstuffs and management practices with chickens and turkeys for maximum economic returns. *Prerequisites*: A H 301, P H 301 and 303

Mr. Morgan

P H 455—Poultry Grading and Processing—3 cr. (2 and 3)

A study of the classes, grades and judging of market poultry and poultry products, and the preparation, packaging, processing, storage and freezing preservation of eggs and poultry for market. *Prerequisites*: P H 301 and 303

Mr. Cooper

P H 456—Incubation and Brooding—3 cr. (2 and 3)

A study of the principles and practices of incubation and brooding of the various species of poultry, hatchery management and commercial broiler production. *Prerequisites*: P H 301 and 303

Mr. Cooper

P H 459—Poultry Diseases and Parasites—3 cr. (2 and 3)

A study of the causes, occurrence, symptoms, treatment and prevention of poultry diseases and the identification, life history, symptoms, treatment and prevention of poultry parasites. Sanitary practices on poultry farms and in hatcheries and market establishments, and eradication and control measures for specific diseases and parasites will be considered. *Prerequisites*: P H 301, 303, Bact 301, 303 and V S 401

Mr. Morgan

P H 460—Seminar—2 cr. (2 and 0)

A study and discussion of current research and commercial problems in poultry production and marketing and selected special topics not fully covered in subject matter courses. *Prerequisites*: P H 301, 303 and pursuing major study in Poultry Husbandry

Mr. Morgan and Poultry Staff

PSYCHOLOGY

MR. WAITE

PSYCH 301—GENERAL PSYCHOLOGY—3 cr. (3 and 0)

A survey of the field of psychology: development and adjustment, motivation, emotions, intelligence, personality, the sensory experiences, perception, learning, thinking, imagination, and mental hygiene. *Prerequisite*: Junior standing

MR. WAITE

PSYCH 302—SOCIAL PSYCHOLOGY—3 cr. (3 and 0)

A study of the interaction between the individual and the forces of society: the classical theories, the psychobiological bases of human behavior, the sociocultural bases of behavior, types of human behavior, overt and covert experiences, symbolism, personality, and social interaction. *Prerequisite*: Psych 301

MR. WAITE

PSYCH 401—APPLIED PSYCHOLOGY—3 cr. (3 and 0)

An advanced course based upon the concepts of general psychology. The material includes causation in behavior, the psychology of attitudes, morale, the basic principles of motivation and work, individual differences, psychological testing in industry, interview techniques, motion and time analysis, industrial fatigue, psychological fatigue and related phenomena, accidents and their prevention, the working environment, psychological factors in labor turnover, advertising and consumer psychology and psychology in professional life. *Prerequisite*: Psych 301

MR. WAITE

RELIGION

MR. CROUCH MR. GRIBBIN

REL 201—OLD TESTAMENT—3 cr. (3 and 0)

An outline study of the Old Testament with special emphasis on the prophets.

REL 203—LIFE OF CHRIST—3 cr. (3 and 0)

A study of the life of Christ beginning with a brief historical background of the world into which Christ came. The purpose of this course is to give a complete chronological picture of the life of Christ.

REL 305—NEW TESTAMENT OUTLINE—3 cr. (3 and 0)

A study of the background and beginnings of the Christian Movement.

MR. CROUCH

REL 401—INTRODUCTION TO PHILOSOPHY—3 cr. (3 and 0)

A historical survey of philosophy with emphasis on its connection with political and social circumstances from the earliest times to the present day. Particular attention will be given to those subjects which have always been the concern of both philosophy and religion. *Prerequisite*: Senior standing.

MR. GRIBBIN

RURAL SOCIOLOGY

MR. BOYD

R S 301—RURAL SOCIOLOGY—3 cr. (3 and 0)

A study of human social relationships as modified by life in the country including a consideration of the farm family, its housing, health, schooling, recreational opportunities, relation to land, and other similar topics.

MR. BOYD

R S 454—FARMERS' MOVEMENTS—3 cr. (3 and 0)

An examination of the efforts of farmers to organize for the improvement of agriculture. Beginning with the first local agricultural society, the development of this movement is followed through the period of the Civil War. After 1865, the Grange, Farmers' Alliance, and like movements, are studied in their chronological order.

MR. BOYD

R S 459—THE RURAL COMMUNITY—3 cr. (3 and 0)

A study of the growth and development of the rural community with emphasis on organization of the community for its effective functioning in a changing society.

MR. BOYD

R S 461—RURAL LEADERSHIP—3 cr. (3 and 0)

A study of the social and psychological factors involved in rural leadership including an examination and analysis of characteristics of the successful leader, and the role of the leader in the rural community.

MR. BOYD

SOCIOLOGY

MR. BURTNER MR. WAITE

SOC 301—INTRODUCTORY SOCIOLOGY—3 cr. (3 and 0)

A study of the basic principles of sociology: culture, biological factors, the influence of geographical environment, human nature, group life, crowds, publics, social classes, cooperation, competition, conflict, accommodation, assimilation, human ecology, communities, social institutions, and social change. *Prerequisite*: Junior standing

STAFF

SOC 401—SOCIAL PROBLEMS—3 cr. (3 and 0)

A survey of the major social problems: Their background, group conflict, race conflict, war, the nature of population problems, social problems of industry, education, religion, disease and public health, poverty, dependency, and factors affecting social adjustment. *Prerequisite*: Soc 301

MR. BURTNER

SOC 402—THE FAMILY—3 cr. (3 and 0)

An inquiry into the problems of marriage and family life: the history of the family, the sociology of family life, mate selection, and courtship, husband-wife relationships, parents-child interaction, divorce, and conservation of family values. *Prerequisite*: Senior standing

MR. WAITE

SOC 403—CRIMINOLOGY—3 cr. (3 and 0)

A consideration of the major problems of crime and its treatment: causes of crime, criminal behavior, theories and practices in the treatment of criminals, and prevention of crime. *Prerequisite*: Soc 301

MR. WAITE

SOC 405—INDUSTRIAL SOCIOLOGY—3 cr. (3 and 0)

A study of industry as a social organization together with the scientific examination of personality industrial relations; the factory as a social system; problems of management; problems of labor; problems of special groups in industry; labor-management relations; and industry and the community. *Prerequisite*: 3 cr. of sociology and permission of the instructor

MR. BURTNER

Soc 406—Regional Sociology—3 cr. (3 and 0)

An analysis and survey of American regions. Emphasis is placed upon facts, factors, and policies pertaining to geography, population, culture, resources and waste, social institutions and planning methods of investigating regions in terms of social sicence. *Prerequisite*: 3 cr. of sociology

Mr. Burtner

SPANISH

Mr. Dean Mr. Hardee

Span 101—Elementary Spanish—3 cr. (3 and 0)

A course for beginners in which through conversation, composition, and dictation the fundamentals of the language are taught and a foundation provided for further study and the eventual ability to read and speak the language.

Mr. Hardee

Span 102—Elementary Spanish—3 cr. (3 and 0)

A continuation of Span 101, in which a reader is also used.

Mr. Hardee

Span 201—Intermediate Spanish—3 cr. (3 and 0)

A short review of grammar with conversation, composition, and dictation continued from Span 102 and the beginning of more serious reading of Spanish prose in short stories or novels.

Mr. Hardee

Span 202—Intermediate Spanish—3 cr. (3 and 0)

While attention is paid to writing and speaking Spanish, more stress is laid on the rapid reading of more difficult Spanish prose than in the earlier courses.

Mr. Dean

Span 301—Advanced Spanish—3 cr. (3 and 0)

Rapid reading of difficult literary or scientific Spanish prose.

Mr. Dean

SPAN 302—ADVANCED SPANISH—3 cr. (3 and 0)

A continuation of Span 301, with selections being made to suit the needs of the students.

MR. DEAN

TEXTILE CHEMISTRY AND DYEING

MR. LINDSAY

MR. LANGSTON MR. GUION MR. RAINEY

T C 301—TEXTILE CHEMISTRY—2 cr. (2 and 0)

An introductory course for Textile Manufacturing students covering chiefly the structure and behavior of the less complex organic chemicals employed in the textile industry up to and including the simpler carbohydrates. *Prerequisite*: Chem 102

MR. GUION

T C 302—TEXTILE CHEMISTRY—2 cr. (2 and 0)

A continuation of T C 301 and 303 covering more complex compounds; starches, cellulose, proteins, dyestuffs, and synthetic fibers and resins. Much of the laboratory work is devoted to the analysis of such materials as sizes, finishes and fabrics composed of various fiber mixtures. *Prerequisite*: Chem 102

STAFF

T C 303—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 301.

MR. GUION

T C 304—TEXTILE CHEMISTRY LABORATORY—1 cr. (0 and 3)

This course to be taken concurrently with T C 302.

STAFF

T C 305—TEXTILE CHEMISTRY—4 cr. (4 and 0)

A comprehensive course for Textile Chemistry majors covering aliphatic organic compounds with major emphasis on products essential to the textile industry. *Prerequisite*: Chem 104

MR. RAINEY

T C 306—Textile Chemistry—4 cr. (4 and 0)

A continuation of T C 305 and 307 covering the aromatic compounds with particular attention to the chemistry of dyes and dye intermediates. *Prerequisite*: Chem 104

Mr. Rainey

T C 307—Textile Chemistry Laboratory—1 cr. (0 and 3)

This course to be taken concurrently with T C 305.

Mr. Rainey

T C 308—Textile Chemistry Laboratory—1 cr. (0 and 3)

This course to be taken concurrently with T C 306.

Mr. Rainey

T C 401—The Chemical Processing of Textile Materials—2 cr. (2 and 0)

A general study of the theory and practice involved in the chemical preparation of all types of fibers for textile use from the raw state through to the finished fabric. Such processes as scouring, bleaching, mercerizing, and the less complex dyeing procedures are covered. *Prerequisites*: T C 302 and 304

Mr. Lindsay Mr. Langston

T C 402—The Chemical Processing of Textile Materials—2 cr. (2 and 0)

A continuation of T C 402 and 404 covering the more advanced dyeing procedures with general coverage of textile printing as well as the many processes involved in textile finishing such as shrink-proofing, flame-proofing, crease resistance, and water repellancy. *Prerequisites*: T C 302 and 304

Mr. Lindsay

T C 403—Textile Chemistry Laboratory—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 401.

Mr. Lindsay

T C 404—Textile Chemistry Laboratory—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 402.

Mr. Lindsay

T C 410—Color Matching and Testing—1 cr. (0 and 3)

The principles of color matching and mixing with practice in reproducing shades to standard, and testing color fastness of textiles by approved methods.

Mr. Lindsay

T C 442—Thesis—2 cr. (0 and 6)

An investigation by each Textile Chemistry senior of an assigned problem related to textile processing. A formal written report is required from each student. *Prerequisite*: Senior standing

Mr. Lindsay

T C 447—The Chemical Processing of Textile Materials—4 cr. (4 and 0)

A course for Textile Chemistry majors similar to T C 401 and 403 except that it is more comprehensive with emphasis on the problems involved in the supervision of a textile finishing plant. *Prerequisite*: T C 306 and 308

Mr. Lindsay

T C 449—Textile Chemistry Laboratory—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 447.

Mr. Lindsay

T C 452—The Chemical Processing of Textile Materials—4 cr. (4 and 0)

A continuation of T C 447 and 449. *Prerequisites*: T C 306 and 308

Mr. Lindsay

T C 454—Textile Chemistry Laboratory—1 cr. (0 and 3)

This course to be scheduled concurrently with T C 452.

Mr. Lindsay

T C 455—Cellulose Chemistry—3 cr. (3 and 0)

An introductory course covering the constitution and behavior of cellulose and its derivatives. Particular attention is given to the purification of wood and other raw materials used for the preparation of rayon pulps. *Prerequisites*: T C 306 and 308

Mr. Langston

T C 456—Chemistry of Synthetic Fibers and Finishes—2 cr. (2 and 0)

A study of the chemistry of large molecular substances such as nylon, vinyon, the rayons, and the protein-type synthetics. The varied synthetic resins used for special effects on textiles are covered in detail. *Prerequisites*: T C 306 and 308

Mr. Langston

T C 511—The Theory and Application of Synthetic Resinous Materials—3 cr. (2 and 3)

The aim of the course is to give the student a comprehensive survey of the history, present utility, and probable future expansion of synthetic resins. This subject must be considered important in the field of textiles because of the tremendous interest developed in the last few years in the use of these resins in many types of textile finishing. *Prerequisite*: T C 306

Mr. Langston

T C 512—The Theory and Application of Synthetic Resinous Materials—3 cr. (2 and 3)

A continuation of T C 511.

Mr. Langston

T C 521—Advanced Cellulose Chemistry—3 cr. (3 and 0)

The purpose of the course is to present the chemistry of cellulose and closely related polysacchrides through a systematic study of the extensive volume of research which has been completed on these substances. *Prerequisite*: T C 455

Mr. Langston

T C 531—Chemistry of Coloring Matters—3 cr. (2 and 3)

The work consists of an advanced study of coloring bodies in their major forms, as dyes, pigments, and lakes. Their structure and formulation

for use are covered in detail with the chief emphasis being placed on the more complex forms, such as the vat colors and the insoluble azo compounds. *Prerequisite*: T C 452

MR. RAINEY

T C 541—RESEARCH—3 cr.

Research in textile chemistry.

STAFF

T C 542—RESEARCH—3 cr.

A continuation of T C 541.

STAFF

TEXTILE MANAGEMENT

MR. BROWN

MR. HEYN	MR. EDWARDS	MR. WRAY
MR. CAMPBELL	MR. GRAHAM	MR. GAMBRELL
*MR. CARSON	MR. RICHARDSON	

T M 101—INTRODUCTION TO TEXTILES—3 cr. (2 and 3)

An introduction to textile manufacturing. Elementary studies of staple fibers, and machinery involved in converting them into yarns and fabrics.

MR. GAMBRELL

T M 401—TEXTILE COSTING—5 cr. (3 and 6)

A study in the principles of costing as they apply to the manufacture of textiles. Allocating the cost of material, labor and overhead; determining the costs of individual yarns and fabrics; valuing the inventory; making of cost reports and payroll analysis. *Prerequiste*: Seniors majoring in Textiles

MR. CAMPBELL

T M 403—TEXTILE MANAGEMENT—3 cr. (3 and 0)

The mill and its equipment; control of labor costs; selection of materials; production controls and the use of budgets.

MR. WRAY

*On leave

T M 454—Time Study—3 cr. (2 and 3)

Rating method; job analysis; establishing wage scales; group-piece and premium plans.

Mr. Carson Mr. Richardson

T M 460—Natural Fibers—3 cr. (3 and 0)

Fundamental properties of textile fibers as studied from the chemical, physical, and botanical side. The microscopic and molecular structure development in the plant, and extraction and preparation from the plant. Survey of plant fibers and fiber plants and more complete discussion of the main natural (plant and animal) fibers. Methods of fiber research. *Prerequisite*: Senior standing

Mr. Heyn

T M 461—Manufactured Fibers—3 cr. (3 and 0)

This course is designed to give the students an overall picture of the production processes and fundamental properties of the more important man-made fibers. Special stress will be placed on the relation of the various physical properties to the manufacture and purpose of the end products in which these fibers are used. *Prerequisite*: Senior Standing

Mr. Heyn

T M 462—Textile Microscopy—2 cr. (1 and 3)

This course is especially planned to enable the student to utilize the microscope for examination and identification of textile fibers and materials used in the textile and related industries. *Principal Topics*: The preparation of the various materials used in the textile industry for microscopic examination.

Mr. Heyn Mr. Edwards

T M 464—Physical Textile Testing—2 cr. (1 and 3)

This course gives the student a comprehensive understanding of all the important machines and techniques used in physical testing of fibers, yarns, and fabrics. The applications of testing in modern textile research are stressed. *Prerequisite*: Senior standing

Mr. Brown Mr. Edwards Mr. Gambrell

VETERINARY SCIENCE

MR. FEELEY

V S 401—ANATOMY AND PHYSIOLOGY—3 cr. (2 and 3)

The purpose of the course is to give agricultural students a general knowledge of anatomy and physiology of farm animals. Principal topics studied include physiology of digestion, chemical and physical processes of digestion and absorption, common diseases, farm sanitation, and first aid treatment.

MR. FEELEY

V S 402—DISEASES OF ANIMALS—3 cr. (2 and 3)

A course designed to give agricultural students instruction in the recognition, causes, and treatment of the diseases of farm animals. The principles of etiology, pathology, diagnosis, symptoms, and treatment of infectious and noninfectious diseases are considered at length.

MR. FEELEY

WEAVING AND DESIGNING

MR. MCKENNA

MR. CARTEE	*MR. HUBBARD	MR. FRICK
MR. TARRANT	MR. LAROCHE	MR. GAINES
MR. WALTERS	MR. ALLEN	MR. JAMESON
MR. WILLIAMS	MR. BERRY	MR. TAYLOR
*MR. HANCE	MR. CARSON	*MR. WHITTEN

W D 201—FABRIC DESIGN—3 cr. (2 and 3)

A study of the basic weaves for cloth fabrication. Plain, twill, sateen weaves, and their derivatives; drawing-in drafts, reed plan, chain drafts, shedding cam design, and analysis of fabrics to obtain weave.

MR. WILLIAMS MR. JAMESON MR. TAYLOR MR. WHITTEN

W D 202—FABRIC DESIGN—2 cr. (1 and 3)

A study of the more complex and intricate weaves for fabrics. Extra warp and filling for weight and figure, filling reversible, double cloth, double plain and matelasse, Bedford Cord and pique, velveteen and corduroy, and Turkish towel. *Prerequisite*: W D 201

MR. LAROCHE MR. CARSON MR. JAMESON MR. WHITTEN

*On leave

W D 205—Cam Loom Mechanisms—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustments of the cam loom. Analytical study of the loom, adjustment and timing of the shedding motion, adjustment and timing of the picking motion, the beating-up motion, let-off and take-up motions, gearing, speeds, production.

Mr. Walters Mr. Berry Mr. LaRoche Mr. Whitten

W D 206—Cam Loom Mechanisms—2 cr. (1 and 3)

A further study of the cam loom mechanisms to include the automatic filling transfer, filling feelers, filling cutters, filling stop motion, warp stop motions, extra attachments such as tape selvage motions, auxiliary cams for twill and sateen weaves, and the various over-head attachments for shedding motions of more than two harnesses, loom calculations. *Prerequisite*: W D 205

Mr. Walters Mr. Williams Mr. Berry

W D 301—Fabric Structure and Design—2 cr. (1 and 3)

A study of the plans, drafts, and specifications required for the production of plain, leno, and figured fabrics. Leno mechanisms and design; warp and filling layouts; weave combinations; fabric construction; ratio of intersections; harness, reed, and chain plans; warping and slashing plans. *Prerequisite*: W D 201

Mr. Tarrant Mr. Hubbard

W D 302—Fabric Analysis—2 cr. (1 and 3)

A study of the analysis of fabrics as they come to the mill for reproduction. Methods of determining yards per pound from a small sample and from the yarn counts; overall and ground construction; selection of yarn counts; determining the design, drawing-in-draft, chain draft, and reed plan; warp dressing plan; cotton, wool, silk, and rayon fabrics. *Prerequisites*: W D 201, 202

Mr. Cartee

W D 305—Dobby and Box Mechanisms—1 cr. (0 and 3)

A study of the construction, mechanical operation, and adjustment of dobby and box mechanisms. Setting and timing of the cylinder, knives, dobby crank, and shed; study of the box mechanisms and the use of

two or more filling yarns in the weaving of fancy fabrics; setting, aligning, and timing of the box motion, and the building of pattern chains. *Prerequisites*: W D 205, 206

Mr. Cartee Mr. Tarrant

W D 306—Jacquard Mechanism—2 cr. (1 and 3)

A study of the theory and mechanisms of the jacquard machine and its complementary equipment. Types of jacquard machines and principles of operation; methods of harness building; card cutting and lacing machines. *Prerequisites*: W D 201, 205

Mr. Hubbard Mr. Frick

W D 309—Knitting—1 cr. (0 and 3)

A study of the principles of knitted fabric construction and hosiery production. Knitting mechanisms, construction of knitted fabrics, and hosiery, rib knitting, hosiery machinery, fancy knitting, and knitting calculations.

Mr. Allen

W D 310—Advanced Hosiery Knitting—3 cr. (2 and 3)

A course of study of advanced types of circular hosiery machines and of the modern type of ribbers involved in the manufacture of the more complex types of hosiery. Included will be a study of mill problems and a study of yarns used in the knitting of hosiery. *Prerequisite*: W D 309

Mr. Allen

W D 311—Flat Knitting Mechanism—2 cr. (1 and 3)

Elements of flat knitting for those majoring in knitting. The course deals with principles used mainly in tricot warp knitters and the so-called knitting looms. Also included are studies of suitable yarns and preparation of knitting warps.

Mr. Allen

W D 312—Knitted Design and Analysis—2 cr. (1 and 3)

A study of the pattern mechanisms of hosiery machines and of the pattern mechanisms of the more complicated ribbers. A study of design for these machines from the designer's standpoint and from the practical stand-

point. Analysis of knit fabrics will be included along with costing procedures of a knitting mill engaged in half hose manufacture. *Prerequisite*: W D 309

MR. ALLEN

W D 401—WARP PREPARATION—2 cr. (1 and 3)

A study of warping and slashing mechanisms and the plans and requirements for efficient operation. Types of warping equipment; slashing machinery; size mixtures and processing methods for cotton, rayon, and other fibers. *Prerequisite*: W D 301

MR. MCKENNA

W D 402—FABRIC DEVELOPMENT—2 cr. (1 and 3)

Production of woven patterns as studied in fundamental courses in the Weaving and Designing Department. Fabric development, analysis, and cloth order problems. *Prerequisites*: W D 301, 302, 305

MR. WALTERS

W D 410—CIRCULAR BODY KNITTING—2 cr. (1 and 3)

A study of the machines used in the underwear and outerwear trade along with the design and analysis of these fabrics. A study of the market and of the knitting trade.

MR. ALLEN

W D 411—FULL FASHIONED KNITTING—2 cr. (1 and 3)

A study of the mechanics of full fashioned knitting equipment, full fashioned mills and of the trade, and a study of yarn preparation, inspection, finishing, packaging, costing, quality control, and design and analysis.

MR. ALLEN

W D 412—KNITTED GARMENT MANUFACTURE—2 cr. (1 and 3)

Actual experience in the manufacture of various knitted garments along with a study of the cutting trade. A study of fabricating machines. Finishing of knitted cloth.

MR. ALLEN

YARN MANUFACTURING

Mr. Gage

Mr. Blair	Mr. Thomson	Mr. Marvin
Mr. Hendricks	Mr. Wilson	Mr. Sproule
Mr. Lathem	Mr. Hendrix	

Y M 201—Blending and Cleaning—3 cr. (2 and 3)

A study of the mechanical equipment used to open, blend and clean the raw materials and to prepare cotton and other staple fibers for succeeding yarn manufacturing processes. Blending of staple fibers; calculations for drafts, measuring devices, waste, evener motions and production.

Mr. Thomson Mr. Hendrix

Y M 202—Carding—3 cr. (2 and 3)

A study of the theory and operation of the card as it is used in the processing of staple fibers and the doubling and drafting of sliver on the drawing frame. Card construction, settings, clothing, ratio of speeds and draft, production and waste studies on the card. Drawing frame construction, drafts and doubling.

Mr. Marvin Mr. Wilson

Y M 301—Roving Frames—3 cr. (2 and 3)

The construction and operation of fly frames. Drafting, twisting and winding on slubbers, intermediates, and Jack frames; production, rolls, spindles, and flyers, differential motions and cones, twist per inch, all calculations for these topics.

Mr. Hendricks Mr. Thomson

Y M 302—Spinning—3 cr. (2 and 3)

A study of the manufacturing possibilities of the ring spinning frame and ring twister as they are used in the processing of staple fibers. The theory of the spindle, ring and traveler, drafts, twist, builder motions, production, general machine construction, and problems applicable to machines.

Mr. Gage Mr. Lathem

Y M 305—Cotton Marketing—1 cr. (0 and 3)

Cotton classing according to U. S. Government Standards for grades and staples. Classing and valuing all grades of cotton raised in U. S.; methods of ginning, marketing, and handling cotton; contracts and claims.

Mr. Gage

Y M 306—Combing—2 cr. (1 and 3)

A study of settings and adjustment of the comber and its preparatory machines; the value and use of its product. Timing and setting comber for various staples and required waste, production and other calculations; management; and operation of these machines.

Mr. Blair

ZOOLOGY

Mr. Ware Mr. Warnhoff

Zool 101, 103—General Zoology—4 cr. (3 and 3)

Designed to give the student thorough training in fundamental types and zoological principles. The morphology, physiology, behavior, reproduction, ecology, embryology, zoogeography, evolution and palaeontology of each phylum is presented.

Mr. Ware Mr. Warnhoff

Zool 301—Advanced Zoology—3 cr. (2 and 3)

Designed to give the student advanced training in zoological principles, physiology and comparative vertebrate anatomy. *Prerequisites*: Zool 101 and 103

Mr. Ware

Zool 302—Vertebrate Embryology—3 cr. (2 and 3)

Designed to give the student the fundamentals of developmental anatomy of the organ systems as illustrated by the chick and pig. By actual preparation of histological sections and mounts the student acquires

practice in laboratory procedure and a working knowledge of vertebrate microscopic anatomy. Identification of the various tissues is stressed. *Prerequisites*: Zool 101, 103 and 301

MR. WARE

ZOOL 306—GAME MANAGEMENT—2 cr. (2 and 0)

A study of breeding habits of game animals and birds and type of territory desirable. The ethics of sportsmanship, and the control of predators are among other subjects covered.

MR. WARE

THE CLEMSON AGRICULTURAL COLLEGE RECORD

PART VI

Public Service Activities

*AGRICULTURAL EXPERIMENT STATION STAFF

Board of Control

HONORABLE J. B. DOUTHIT, *Chairman* ---------- Pendleton
HONORABLE CHRISTIE BENET, *Ex-Officio* ---------- Columbia
HONORABLE T. B. YOUNG ---------- Florence
HONORABLE PAUL SANDERS ---------- Ritter
HONORABLE F. E. COPE ---------- Cope
HONORABLE R. M. COOPER ---------- Wisacky
HONORABLE W. A. BARNETTE ---------- Greenwood
HONORABLE J. F. McLAURIN ----------Bennettsville

R. F. POOLE, PH.D., D.Sc., LL.D. ---------- *President*
H. P. COOPER, PH.D. ---------- *Director*
R. A. McGINTY, M.A. ---------- *Vice-Director*

Agricultural Economics and Rural Sociology

G. H. Aull, Ph.D. ---------- Agricultural Economist
W. T. Ferrier, Ph.D. ---------- Agricultural Economist
W. E. A. Husmann, Ph.D. ---------- Agricultural Economist
W. H. Peterson, Ph.D. ---------- Agricultural Economist
J. M. Stepp, Ph.D ---------- Agricultural Economist
J. F. Miles, M.S. ---------- Associate Agricultural Economist
C. R. Smith, M.S. ---------- Associate Agricultural Economist
J. F. Alexander, B.S. ---------- Assistant Agricultural Economist
D. E. Crawford, M.S. ---------- Assistant Agricultural Economist
C. D. Evans, B.S. ---------- Assistant Agricultural Economist
L. D. Malphrus, M.S. ---------- Assistant Agricultural Economist
V. A. Boyd, M.S. ---------- Assistant Rural Sociologist
**C. P. Butler, M.S. ---------- Agricultural Economist

Agricultural Engineering

G. B. Nutt, M.S. ---------- Agricultural Engineer
G. H. Dunkelberg, M.S. ---------- Associate Agricultural Engineer
W. P. Law, B.S. ---------- Associate Agricultural Engineer
J. S. Evans, B.S. ---------- Assistant Agricultural Engineer
**J. K. Park, M.S. ---------- Agricultural Engineer

Agronomy

H. P. Cooper, Ph.D. ---------- Agronomist
W. R. Paden, Ph.D. ---------- Agronomist
N. R. Page, M.S. ---------- Associate Agronomist
E. B. Eskew, B.S. ---------- Assistant Agronomist
**O. W. Beale, M.S. ---------- Soil Scientist
**E. H. Stewart, M.S. ---------- Assistant Soil Scientist
**T. C. Peele, Ph.D. ---------- Soil Technologist

Animal Husbandry

L. V. Starkey, M.S. ---------- Animal Husbandman
E. G. Godbey, B.S. ---------- Associate Animal Husbandman
G. W. Anderson, D.V.M., M.S. ---------- Associate Animal Pathologist
C. A. Dodson, B.S. ---------- Assistant Animal Pathologist

*List of staff members compiled November 23, 1949.
**In cooperation with the United States Department of Agriculture.

Botany and Bacteriology

G. M. Armstrong, Ph.D. ---------- Botanist and Plant Pathologist
C. H. Arndt, Ph.D. ---------- Associate Plant Pathologist
W. B. Albert, Ph.D. ---------- Associate Plant Physiologist
H. H. Foster, Ph.D. ---------- Associate Plant Pathologist
N. B. Goebel, M.S. ---------- Associate Forester
C. C. Bennett, B.S. ---------- Assistant Botanist

Chemistry

J. H. Mitchell, M.S. ---------- Chemist
D. B. Roderick, B.A. ---------- Assistant Chemist
E. J. Lease, Ph.D. ---------- Nutritionist

Dairy

J. P. LaMaster, M.S. ---------- Dairyman
W. A. King, Ph.D. ---------- Dairy Husbandman
Victor Hurst, Ph.D. ---------- Associate in Dairying
G. M. Barnett, B.S. ---------- Associate Dairyman
C. C. Brannon, B.S. ---------- Associate Dairyman
W. M. DuPre, B.S. ---------- Assistant in Dairying
William McKay, B.S. ---------- Assistant in Dairying
J. R. Thomas, B.S. ---------- Assistant in Dairying
**G. W. Brandt, M.S. ---------- Associate Dairy Husbandman

Entomology

M. D. Farrar, Ph.D. ---------- Entomologist
W. F. Chamberlain, Ph.D. ---------- Associate Entomologist
J. H. Cochran, Ph.D. ---------- Associate Entomologist
David Dunavan, M.S. ---------- Associate Entomologist
W. H. Purser, M.S. ---------- Assistant Bee Specialist

Home Economics

Ada M. Moser, M.S. ---------- Home Economist
Elizabeth S. Watson, M.A. ---------- Assistant Home Economist
Mary Frances Kendall, B.A. ---------- Assistant in Home Economics
Florence E. Roach, B.A. ---------- Assistant in Home Economics

Horticulture

A. M. Musser, B.S. ---------- Horticulturist
O. B. Garrison, Ph.D. ---------- Horticulturist
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*List of staff members compiled October 1, 1949.

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Laurens	C. B. Cannon, B.S.	Laurens
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Newberry	P. B. Ezell, B.S.	Newberry
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Greenville	*G. D. Butler	Greenville
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Marlboro	D. E. Epps, B.S.	Bennettsville
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Oconee	J. C. Morgan, B.S.	Walhalla
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Orangeburg	J. B. Griffith, B.S.	Orangeburg
Orangeburg	J. H. Evans, B.S.	Orangeburg
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Pickens	*W. D. Wood, B.S.	Pickens
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Saluda	H. V. Rogers, B.S.	Saluda
Spartanburg	J. W. Kelly, B.S.	Spartanburg
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Union	E. M. Caldwell, B.S.	Union
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York	C. H. Fant, B.S.	York
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* Special Assistant.

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Laurens	B. J. Gill, B.S.	Laurens
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*Assistant Negro Agricultural Agent.

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Louise Heriot, B.S. — Assistant State Girls' 4-H Club Agent, Rock Hill
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Ruby Craven, B.S. — Home Management Specialist, Rock Hill
Sallie Pearce, B.S. — Extension Marketing Specialist, Rock Hill

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Spartanburg	Ellie Herrick, B.S.	Spartanburg
Sumter	Alice Jordan, B.S.	Sumter
Union	Blanche Kelley, B.S.	Union
Williamsburg	Myrtle H. McFaddin, B.S.	Kingstree
York	Georgia Taylor, B.S.	Rock Hill

ASSISTANT COUNTY HOME DEMONSTRATION AGENTS

County	*Name*	*Post Office*
Aiken	Margaret G. McFadden, B.S.	Aiken
Anderson	Velma M. Cannon, B.S.	Anderson
Anderson	Mary E. Pace, B.S.	Anderson
Beaufort	Mildred Koger, B.S.	Beaufort
Berkeley	B. Carolyn Meares, B.S.	Moncks Corner
Cherokee	Gladys L. Henry, B.S.	Gaffney
Chester	Willie Mae Elliott, B.S.	Chester
Chesterfield	Thedia W. Ward, B.S.	Chesterfield
Clarendon	Doris E. Wilson, B.S.	Manning
Colleton	Julia Cox, B.S.	Walterboro
Darlington	Betty Anne Locke, B.S.	Darlington
Dillon	Margaret F. Hicklin, B.S.	Dillon
Florence	Bobby J. Huggins, B.S.	Florence
Florence	Mary Frances Shirley, B.S.	Florence
Greenville	Rose Liles, B.S.	Greenville
Horry	Rose Jacobs, B.S.	Conway
Kershaw	Frances B. Hicks, B.S.	Camden
Lancaster	Evelyn Snow, B.S.	Lancaster
Laurens	Adeline V. Long, B.S.	Laurens
Lexington	Virginia D. Pike, B.S.	Lexington
Marion	Helen M. Graham, B.S.	Marion
Newberry	Jane Winn, A.B.	Newberry
Oconee	Margaret G. Watson, B.S.	Walhalla
Orangeburg	Betty O. Biggs, B. S.	Orangeburg
Pickens	M. Louise League, B.S.	Pickens
Richland	Theresa W. Beckham, B.S.	Columbia
Saluda	Mildred Lucile Evans, B.S.	Saluda
Spartanburg	Jeannette M. Griffin, B.S.	Spartanburg
Sumter	Rosalie C. Rayle, B.S.	Sumter
Williamsburg	Martha Lucas, B.S.	Kingstree
York	Kathleen S. Matthews, B.S.	Rock Hill
Assistant-At-Large	Marie Sullenger, B.S.	Hampton

NEGRO HOME DEMONSTRATION WORKERS

Marian B. Paul, B.S., State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

Willie M. Price, Assistant State Supervisor, Negro Home Demonstration Work, State College, Orangeburg, S. C.

County	*Name*	*Post Office*
Aiken	Thelma S. Hallman, B.S.	Aiken
Allendale	Annie Mae Butler, B.S.	Allendale
Anderson	Cynthia Williams, B.S.	Anderson
Bamberg	Hallie B. Perry, B.S.	Bamberg
Barnwell	Bette H. Shakesnider, B.S.	Barnwell
Beaufort	Williett Bowers, B.S.	Beaufort
Berkeley	Fannie M. Brown	Moncks Corner
Charleston	Albertha DeVeaux	Charleston
Cherokee	Martha Reid, B.S.	Gaffney
Colleton	Gussie M. Goudlock, B.S.	Walterboro
Darlington	Sara Aiken, B.S.	Darlington
Dorchester	Lillie Mae Jamerson, B.S.	St. George
Fairfield	J. Alfreda Wright	Winnsboro
Florence	Lillian Brown, B.S.	Florence
Georgetown	Rosa G. Gadson, B.S.	Georgetown
Greenville	Delphena W. Arnold	Greenville
Greenwood	Marie K. Adams, B.S.	Greenwood
Hampton	Leona W. Bing, B.S.	Hampton
Lancaster	Annabelle E. Spann, B.S.	Lancaster
Marion	Johnnie G. Sloan, B.S.	Marion
Marlboro	Minnie E. Gandy, B.S.	Clio
Newberry	Lillian G. Saunders, B.S.	Newberry
Orangeburg	Rosa R. Odom, B.S.	Orangeburg
Richland	Bertha B. Sawyer, B.S.	Columbia
Spartanburg	Cammie Fludd, B.S.	Spartanburg
Sumter	Helen C. Walker, B.S.	Sumter
Union	Laura J. Whitney, B.S.	Union
Williamsburg	Eva G. Lawrence, B.S.	Salters Depot
York	Helen Barnwell, B.S.	Rock Hill

Note: All Negro Home Demonstration Agents have had college training in Home Economics.

THE SOUTH CAROLINA AGRICULTURAL EXPERIMENT STATION

The Agricultural Experiment Station of South Carolina is a department of Clemson College. The experiment station at present consists of the main station, which is located at Clemson, and five sub-stations: one at Summerville, in the coastal plain region; one at Florence, in the Pee Dee section; one at Pontiac, near Columbia, in the sandhill region, one in the trucking section near Charleston; and one in Barnwell county in the melon-growing area. The main offices and laboratories of the station are located on the Clemson College campus, while the station farm, consisting of about 200 acres, is east of and adjoining the College campus. The investigations dealing with the fundamental principles of agricultural science and with the application of such principles to practical agricultural operations are carried on in the laboratories and on the experiment station farm at Clemson. The experiments looking to the adaptation of such scientific data accumulated here and elsewhere to the conditions peculiar to certain sections of the State are carried on at the sub-stations.

It is the aim of the experiment station to conduct research work on problems which have a direct practical bearing on the agriculture of the State. With this end in view extensive experiments relative to the best methods of procedure under various conditions with the principal plants and animals have been undertaken. Economic and social problems are likewise being investigated. As progress is made the results obtained are given out to farmers in the form of bulletins, circulars, and personal letters. Since the establishment of the station, 379 such bulletins and 74 circulars have been published, covering practically all phases of agriculture.

Aside from the research work and the publication of results obtained from such research, the experiment station performs various other duties. Among these might be mentioned the entomological and pathological inspection work (which aims to protect the farms, orchards, and gardens of the State against the introduction of injurious insects and diseases); the biological and soil survey of the State, and the cooperative experimental work carried on with farmers in the State. The technically trained

experts of the station staff are regarded as authorities in their several specialties, and they are constantly giving out information relating to the various lines of agricultural endeavor. The station staff also aids in disseminating agricultural knowledge by cooperating with the Extension Service of the College in holding agricultural meetings and conferences and by meeting with the farm demonstration agents and giving to them technical information which they in turn carry direct to the farmers.

Close cooperation is maintained with the various research bureaus of the United States Department of Agriculture and with the departments of the College. The laboratories are always open to inspection by students and other people of the State. The same is true of the experiment station farm. There is always opportunity for a limited number of students to secure work in the various divisions of the station and to assist in the research work carried on by the members of the station staff.

Home economics research is carried on in cooperation with Winthrop College at Rock Hill. This work is designed to secure additional information on economic, social, and health factors influencing the home and living conditions of rural people.

Close cooperation is maintained between the home economics research department, the teaching and extension workers in this field, and the clubs and societies engaged in the promotion of better rural homes.

A full report of the work and expenditures of the Experiment Station is published annually and this report and all other publications of the station are free and will be sent on request. (Requests for these should be addressed to the Director, Agricultural Experiment Station, Clemson, S. C.)

FERTILIZER INSPECTION AND ANALYSIS

The work of fertilizer inspection and analysis is under the supervision of the Fertilizer Board of Control consisting of a Committee of the Board of Trustees. The work of inspection and analysis is a department of the Agricultural Experiment

Station. District Inspectors are located in different parts of the State. Their duties are to collect official fertilizer samples for analysis and check on the tagging and labelling of all fertilizer material.

The chemical work consists of the analysis of commercial fertilizers as provided for by the Fertilizer Law of the State. This Department also undertakes the analysis of waters, ores, minerals, and other naturally occurring materials, portions of human bodies in cases of suspected poisoning (as provided by law), and the analysis of home-mixed fertilizers. All the work of this Department is done without charge.

THE AGRICULTURAL EXTENSION SERVICE

The agricultural extension work of Clemson College and the United States Department of Agriculture cooperating is carried on by the Clemson College Extension Service. The work is supported by federal, state, and county appropriations. The main development of extension work has come since the enactment of the Federal Smith-Lever Act of 1914 providing grants of funds to the states for this purpose. The purpose of extension work is to diffuse among farm people useful and practical information on subjects related to agriculture and the farm home, and, through demonstrations and other practical methods, to stimulate the application of such information by farm people.

Agricultural Extension Work:—Under an Act of the Legislature in 1929, each county in the State has a county farm agent. These agents are agricultural college graduates who have had practical farm experience. They devote their time to the development of the agriculture of their respective counties through farm visits, demonstrations, personal conferences, meetings, community organizations, publications, letters, and otherwise. A staff of extension specialists representing the important lines of agriculture in the State assists the county agents in planning and carrying out the extension program.

Home Demonstration Work: —While home demonstration work is a part of the cooperative program of extension work under the Smith-Lever Act, and is under the general direction of the Extension Service, this work is conducted under the im-

mediate supervision of Winthrop College. Every county is provided with a home demonstration agent by legislative enactment, and these agents conduct educational demonstration work with farm women and girls in the production, preparation, and conservation of the family food supply, home marketing, home improvement, clothing, home furnishings and home management, nutrition, community organization, girls' 4-H club work, and other farm home activities.

Negro Demonstration Work:—Thirty-four negro agricultural agents and thirty-one negro home demonstration agents are employed to do extension work with negro farmers of the State in counties having large negro populations. These agents are employed in cooperation with the State College at Orangeburg, where the supervising agents for this work are located.

Agricultural Economics and Farm Management:—The extension program in agricultural economics and farm management is directed toward a wider dissemination among farm people of economic information, including the results of research work and farm experience, that may be useful to them in planning and conducting their farm businesses. This program includes outlook and economic information, the analysis of farm and home accounts and enterprise records on crops and livestock, kept by farm people with the aid of extension workers, county program planning work, farm tenure work, outlook information, and other activities in this field.

Agricultural Engineering: Extension work in agricultural engineering includes mainly educational work with farm people in the proper terracing and drainage of farm lands, irrigation, the efficient use of farm machinery and equipment, plans for farm buildings and other farm structures, improved cotton ginning methods, the utilization of electric power on the farm and farm water systems.

Field Crops:—Extension work with farm people on field crops includes educational demonstration work in the efficient production of high quality cotton, corn, tobacco, small grains, summer and winter legumes, hay crops, and other crops that are of importance to South Carolina farmers as sources of income and also

food and feed, and the efficient use of commercial fertilizers. This work is currently emphasizing annual grazing and improved permanent pastures.

Livestock:—Extension work in this project includes demonstrations in efficient livestock production, including the use of pure-bred sires, hog-feeding demonstrations, swine sanitation demonstrations, beef cattle, sheep and mule production, cooperative marketing of livestock, 4-H pig and beef calf club work, and the preservation of the farm meat supply.

Dairying:—Extension work in dairying includes work with farm people in placing and encouraging the use of purebred sires, artificial insemination, dairy herd management, care and handling of milk, pastures and feed production, 4-H dairy calf club work, the marketing of dairy products and dairy cattle, the use of dairy equipment, and the feeding and management of the family cow.

Crop Insects and Diseases:—Crop insects and diseases take a heavy toll on the farms of South Carolina every year. The extension program in this line includes educational demonstration work in the prevention and control of crop diseases, crop insects, and work with beekeepers.

Forestry:—The extension program in farm forestry is directed toward the conservation, proper utilization, and efficient marketing of the farm forestry resources in the State. This program includes educational demonstration work in reforestation, thinning, pruning, selective cutting, fire protection, and timber estimating.

Boys' 4-H Club Work:—Agricultural clubs of farm boys are organized for the purpose of enlisting the intelligent interest of the boys and their parents in improved methods of agriculture. This program includes the organization of 4-H clubs, supervision of 4-H club demonstrations of crops and livestock production and checking the results, training 4-H judging and demonstration teams, leadership, and citizenship training, and holding 4-H club camps, tours, and recreational meetings.

Horticulture:—Extension work with farm people along horticultural lines includes mainly demonstration work in home or-

chard establishment and management, commercial peach and apple production, home gardens, the production of commercial truck crops, and sweet potato production. The emphasis is placed upon the efficient production of quality products both for home use and for the market.

Marketing:—Since the efficient marketing of farm products cannot be wholly separated from production, much of the time of all extension workers is devoted to assisting farm people with their marketing problems. This program includes assistance in the organization and operation of cooperative marketing associations, cooperation with auction markets, supervision of the federal-state shipping point inspection service for fruits and vegetables, demonstrations in grading and packing farm products, all of which is connected with the work of the Extension Service in aiding farm people to produce the varieties and quality of farm products that can be sold on the markets in this State and in other states.

Poultry:—The extension program of poultry demonstration work includes demonstration poultry and turkey flocks, the brooding and rearing of chicks, disease and parasite control, the construction of poultry houses and the use of poultry equipment, the development of poultry breeding flocks, 4-H poultry club work, and the marketing of surplus poultry and eggs from the farms of the State.

Publication and News:—The extension program of publications and news includes the preparation, editing and distribution of agricultural bulletins, news material and circulars, both from the College, and from the offices of the county agents and home demonstration agents. Mimeographed news articles and special news stories of agricultural interest are supplied to the newspapers of the State, and to the Associated Press. Monthly letters or printed circulars on poultry, orchards, gardening, dairying and Boys' 4-H club work are mailed free of charge to those persons especially interested in these subjects. Bulletins covering the important lines of farm activitiy in the State are prepared and made available to farm people who desire such information.

Radio Programs:—Radio programs are presented weekly over almost all of the radio stations in the State, bringing current agricultural news to the farm people.

Visual Instruction—The extension program of visual instruction includes the production and showing of educational motion pictures, film strips, and slides on agricultural and home economics subjects, and the production of photographs, charts, maps, and other visual educational material.

Other Activities:—The Extension Service represents the Clemson Agricultural College, which is the Land Grant College of the State, in conducting the educational work among farm people in connection with agricultural programs of the Federal government, such as the Agricultural Adjustment program, the Soil Conservation program, the Rural Electrification program, the Tennessee Valley Authority program, Farm Credit, and others. In addition, special programs, which involve the organization of agricultural resources, and other emergency programs of this nature are organized and conducted by the Extension Service.

LIVESTOCK SANITARY WORK

The function of the Livestock Sanitary Department is to assist livestock owners in the control and eradication of contagious, infectious and communicable diseases of livestock and poultry. When requested, investigations are made, and when necessary, assistance is rendered in the treating of livestock. Advice is also given for the control and eradication of diseases. In cooperation with the Federal Government and other States, this department maintains quarantine measures to prevent, so far as possible, the introduction of diseased livestock into the State.

This department of the College maintains a fully equipped laboratory in Columbia for the purpose of assisting veterinarians and owners of livestock and poultry in making diagnoses which cannot always be made in the field.

While the main office of this department is in Columbia, Assistant State Veterinarians are located in various sections of the State where their services may be obtained on short notice upon request.

In addition to the regular force of veterinarians directly connected with the Columbia office, practicing veterinarians are commissioned as Deputy State Veterinarians and assist in the control and eradication of contagious and infectious diseases of livestock. At present there are seventy-nine veterinarians so commissioned, and their locations are such that the Clemson College Livestock Sanitary Department is in position to render prompt service to livestock owners in all sections of the State.

The Clemson College Livestock Sanitary Department is fully equipped with large stocks of all classes of veterinary biologics for the control and eradication of contagious and infectious diseases of livestock. These products are used by our veterinarians in assisting with the control of contagious and infectious diseases and the owner pays for them on a cost basis.

This department is required by legislative enactment and supported by legislative appropriation.

CONTROL OF CROP PESTS AND DISEASES

The work of eradicating or preventing the introduction, spread or dissemination of any injurious insects and plant diseases is carried on under the direction of the State Crop Pest Commission. The State Entomologist and the State Pathologist have charge of this work under the commission.

The work of these officers consists in the control of contagious plant diseases and insect pests. Supervision of all nursery stock sold within the State is a duty of the Crop Pest Commission.

A permit tag issued by the State Crop Pest Commission should be attached to every package of nursery stock, seed, or plants offered for sale or shipment for planting purposes.

THE ENGINEERING EXPERIMENT STATION

The Engineering Experiment Station of the Clemson Agricultural College was established by the Board of Trustees in July, 1924. Its purpose is to aid the present industries in the State to do research work on the material resources of the State with a view of leading to the establishment of new industries, to study methods of utilizing waste products, etc.

In addition to serving the industries of the State and helping to solve engineering problems for the agricultural interests, it is hoped, in cooperation with the stations of other states, to add to the store of scientific and engineering knowledge. The staff consists of well-trained men from the various schools and departments of the College. The laboratories of the several departments of engineering, as well as others, are available for the use of the station in its investigation.

During the war period the Engineering Experiment Station undertook worthwhile projects in cooperation with the War Production Board. Emphasis is now being placed upon special research in ceramics.

ITINERANT TEACHER TRAINING IN VOCATIONAL EDUCATION

The College in cooperation with the State Department of Education is glad to assist those who teach vocational subjects in day trade schools and evening trade and industrial classes by supplying a trained man to assist in the work of organizing classes, organizing courses of study, making plans for teaching evening classes, and actually teaching vocational subjects. Requests for information regarding this service should be addressed to Mr. L. R. Booker, State Teacher Trainer in Industrial Education, Clemson, South Carolina.

The members of the staff of Agricultural Education visit all beginning teachers for the purpose of assisting them on the job and also for the purpose of collecting information which may

prove helpful in improving the work of teacher training at the College. In addition, conferences of teachers are held and consulting services made available in the interest of the professional growth of agricultural teachers, the rendering of service to agricultural communities, and the development of leadership among agricultural youth through the program of the Future Farmers of America.

SHORT COURSES AND CONFERENCES

The facilities of the College are made available for special meetings, such as farm groups, rural ministers, religious organizations, and scientific societies; and arrangements are made for special short courses in poultry, beekeeping, food preservation, cotton classing, water supply and sanitation, etc. Such activities, undertaken in the interest of the general welfare, are encouraged by the College.

THE

CLEMSON

AGRICULTURAL

COLLEGE

RECORD

PART VII

Student Register

1949-1950

GRADUATES OF 1949

BACHELORS' DEGREES CONFERRED JANUARY 29, 1949

School of Agriculture

Bachelor of Science Degree

Agriculture—Agricultural Economics Major

John Frederick Alexander, Sr. ---------- Anderson
Charles Pruette Blankenship, Jr. ---------- Fort Mill
James Duffie Duncan, Jr. ---------- Loris
John Robert Shillinglaw ---------- Sharon
Kenneth Edwin Stuck ---------- Pomaria

Agriculture—Agronomy Major

Gilbert Anthony Allen, Jr. ---------- Franklin, Tenn.
Richard Lucas Baird ---------- Darlington
Eudell Max Caldwell ---------- Spartanburg
William Luther Haltiwanger ---------- Little Mountain
John Percy Jackson ---------- Sumter
Lewis Wesley James ---------- Anderson
*Walter Henry Jenkins ---------- Kline
*Steve Lund ---------- Exeland, Wis.
Joseph Frederick Mason ---- Westminster
Julian Guess Reames ---------- Bishopville
Luther Bryant Shelley ---------- Mullins
Marion Wilmouth Sullivan ---------- Laurens
Smith Worley, Jr. ---------- Windsor

Agriculture—Animal Husbandry Major

William DuPree Atkinson ---------- Mullins
Mavis Eaddy Cagle ---------- Andrews
*Johnston Lee Crapse ---------- Estill
John Grier Dinkins, Jr. ---------- Manning
Ira Madison Estridge ---------- Lancaster
Laurens Wilson Floyd ---------- Manning
William Wylie Gaston, III ---- Richburg
James Whitfield Gilliam, Jr. ---- Abbeville
Soloman Legare Hay, Jr. ---- Johns Island
Norman Wheeler Patterson ---------- Saluda
Horace C. Pepper ---------- Easley
Nathan Ray Sites ---------- White Rock
James Allen Smith ---------- Mullins
Gallman Stuckey ---------- Bishopville
Wilson Carlisle White, Jr. ---------- Chester
John Frederick Wise ---------- McCormick
James Everett Yonce, Jr. ---------- Johnston

Agriculture—Dairy Major

James Everett Pettigrew ---------- Iva
Walter Allen Smithwick ---------- Chester

Agriculture—Horticulture Major

George Evans Huiet, Jr. ---------- Trenton
James Fay Lyles ---------- Winnsboro
James Suddath Paget, Jr. ---------- Greer
*John Henderson Rodgers ---- Charleston
David Clyde Settle ---------- Inman

Agricultural Engineering

Grover Watson Brown, Jr. ---------- Hickory Grove
Paul Matthew Garvin, Jr. ---- Greenwood
Joseph Mason Gaston ---------- Duncan
Robert Edward Hanvey ---------- McCormick
Mark Hafner Kirkpatrick, Jr. ---------- Clio
Joseph Wynans McCown ---------- Dalzell
Charles Mann McMillan, Jr. ---- Mullins
Warren Drummond Pearson ---- Woodruff
Charles Edward Severance ---- Darlington
Hugh Monroe White ---- Charlotte, N. C.

School of Arts and Sciences

Bachelor of Science Degree

Arts and Sciences

*David Houser Banks, Jr.---St. Matthews
Theo Everett Boliver ---------- Columbia
James Marion Brown ---- Mountain Rest
Joe Alexander Dalton ---------- Seneca
Raymond Evans Davenport, Jr. ---------- Williamston
James Morrow Hemminger, Jr. ---------- Willington
Jones Thomas Hunter, Jr. ---------- Marion
Steve Andrew Ivey---Downers Grove, Ill.
John Wesley Langford, Jr. ---- Ridgeland
Walter Marion Patrick, Jr. ---------- Ruffin
Wendell Hugh Thomas ---------- Greenville
*William Andrew Wood ---- Greenwood

General Science

Alfred Cary Cox ---------- Dawson, Ga.

Industrial Physics

*Leon Haynsworth Robinson, Jr. ---------- Greenville

Pre-Medicine

James Earle Barnett ---------- Marietta
Julius Ray Ivester ---------- Walhalla
Leo Edwin Kirven, Jr. ---------- Pinewood

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* With honor

School of Chemistry

Bachelor of Science Degree

Chemistry

Hampton Massey Smith _____ Rock Hill

School of Engineering

Bachelor of Science Degree

Architectural Engineering

Baxter Lindsay Crawford _____ Chester
Thomas Dudley Stewart _____ Greenville
Robert Avery Kilgo _____ Laurens

Architecture

John Nicoll Cooper _____ Washingtonville, N. Y.
Robert Elijah Farmer _____ Anderson
Powell Brooke Harrison, Jr. _____ St. Matthews
John Walter Inabinet, Jr. _____ Bowman
Kenneth Bruno Koehler _____ Louisville, Ky.
Joseph Alison Lee _____ Greenwood
James Monroe Meares _____ Nichols
Robert Walter Nicholson _____ Orangeburg
John William Thompson _____ Williston

Bachelor of Civil Engineering Degree

*John Harold Adams _____ Greenville
Albert Clay Bruce _____ Seneca
Victor Baber Caldwell _____ Blacksburg
Richard Dula Campbell _____ Spartanburg
Dumond Foster Chalker _____ South Orange, N. J.
Albert Jackson Coleman, Jr. _____ Saluda
*Stratton Aleck Demosthenes _____ Beaufort
Daniel Harley Gaulden, Jr. _____ Rock Hill
Dallis Clifford Jones, Jr. _____ Barnwell
Tom Arnall Martin _____ Griffin, Ga.
Ernest William Merck _____ Central
James Donald Rivers _____ Chesterfield
John Adams Rollison, Jr. _____ Waycross, Ga.
Henry Denning Salter, Jr. _____ Walterboro
Earle Pitman Seay _____ Moncks Corner
Lawrence Donald Sherer, Jr. _____ Greenville
Alan Matthew Tewkesbury, III _____ Aiken
James Kenneth Timmons _____ Piedmont

Bachelor of Electrical Engineering Degree

**Walter Lee Ball _____ Laurens
Easley Bruce Barton _____ Winnsboro
John Arthur Cappeller, Jr. _____ Chicago, Ill.
*Fred John Cappelmann, Jr. _____ Beaufort
Arthur James Carraway _____ Timmonsville
*Virgil Waddell Cauthen _____ Greenville
Wayne Henry Chapman _____ Piedmont
Virgil Gentry Davis _____ Greenville
Sidney Bryan Geddings, Jr. _____ Wedgefield
*Christopher Columbus Hindman, III _____ Greenville
James Edwin Hunter, III _____ Columbia
John Marvin Hutchings, Jr. _____ Norwood, Ohio
Joseph Alvin Mahaffey _____ Lancaster
*Benjamin Rudolph Neely, Jr. _____ Rock Hill
Jack Ezell Ouzts _____ Callison
Bryan Jaudon Perry, Jr. _____ Ridgeland
Roy Markus Rochester _____ Walhalla
William Frank Rochester _____ Walhalla
Edmund Phillip Simpson _____ Greenville
Hugh Charles Smith _____ Oakland, Calif.
George Cullen Wright _____ Anderson

Bachelor of Mechanical Engineering Degree

Carl Edward Buck, Jr. _____ Greenville
James William Cooper _____ Spartanburg
Clyde Duncan Cox _____ Walhalla
*Archie Shaw Dargan, Jr. _____ Darlington
Stephen Paxson Darlington, III _____ Mt. Pleasant
Harry Love Dunlap, Jr. _____ Rock Hill
Douglas Carson Edwards _____ Fountain Inn
Mark Day Harris, Jr. _____ La Grange, Ga.
Harlan Harold Herber _____ Bethlehem, Pa.
Wesley Glenn Holcombe _____ Greenville
Charles Hardy Ingram _____ Hartsville
Albert Broadus Kitchen, Jr. _____ Augusta, Ga.
Elias Sam Latto _____ Charleston
Thomas Jennings Long _____ McColl
Joseph Robert Mackay _____ Orangeburg
Rufus Michael Monts, III _____ Sandersville, Ga.
Richard Eston Norwood _____ Greenwood
Marion Venson Poole _____ Ware Shoals
William McGinn Porter, Jr. _____ Charlotte, N. C.
William Fishburne Ravenel, Jr. _____ Sanford, Fla.
Ryan Bruce Salley _____ Orangeburg
Daniel Sosa, Jr. _____ San Juan, P. R.
Walton Murph Stephens, Jr. _____ Abbeville
Joseph Augustus Tolbert, Jr. _____ Greenville
William Franklin Wannamaker _____ Columbia
William Earl West _____ Greenville

School of Textiles

Bachelor of Science Degree

Textile Chemistry

*James Leslie Heaton _____ Anderson
Joe Ernst Spearman _____ Chattanooga, Tenn.
George Marks Moisson, Jr. _____ Greenville

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* With honor
** With high honor

Textile Engineering

George Herman Ashley ____ Ware Shoals
Carroll Smith Barnwell _____ Macon, Ga.
Leonard Furr Dixon _____ Greenville
Leo Fisher _____ Belton
Robert Franklin Hawthorne __ Due West
Harold Richard Hoke ____ Newton, N. C.

Textile Manufacturing

William Earl Ashley _____ Donalds
John B. Black _____ Honea Path
Frederick Townsel Coker, Jr.____Columbia
Ernest Lewis Davis _____ Pelzer
Winfred Page Enloe, Jr.___Roanoke, Ala.
Steven Epps _____ Fort Mill
George Richard Erkes _____ Rock Hill
Lucius Eubanks, Jr. _____ Graniteville
Hugh Bradley Foster _____ Spartanburg
*Winford Huiell Frick _____ Newberry
William Perry Gill, Jr. _____ Rock Hill
Robert Heyward Hammett ____ Newberry
Frank William Ix, III
_____ Charlottesville, Va.
James Ralph Johnson _____ Greenville
Furman McCravy League _____ Easley
Charles Robison, Jr. _____ Enka, N. C.
Eddie Watson Seigler, Jr. ___ Greenwood
Richard C. Self, Jr. _____ Greenville
Harris Eugene Thompson __ Honea Path
Archie Thomas Wilbanks _____ Laurens

School of Vocational Education

Bachelor of Science Degree

Vocational Agricultural Education

Purvis Hobson Bedenbaugh, Jr.
_____ Leesville
Carroll Newsom Gulledge___Mt. Croghan
Claude Ervin Langston ___ Timmonsville
Luther Legree Lewis _____ Leesville
Robert Harold Mason _____ Pacolet Mills
Ted Caston Melton, Jr. _____ Chesterfield
James Robert Miller _____ Erwin, Tenn.
Harold Radcliffe Pate _____ Cassatt
John Wallace Pettigrew _____ Edgefield
Leonard Darrell Reynolds __Timmonsville
Wendell Reed Sease _____ Titusville, Fla.
Ivy Smith, Jr. _____ Pickens

Industrial Education

Paul Daniel Hull _____ Westminster
Victor Garnett McDaniel __ Bennettsville
Lewis Vernell Morgan__Albemarle, N. C.
Paul Tewkesbury _____ Aiken

BACHELORS' DEGREES CONFERRED JUNE 5, 1949

School of Agriculture

Bachelor of Science Degree

Agriculture—Agricultural Economics Major

William Hewitt Cox _____ Latta
Clyas Lee Crenshaw _____ Pendleton
Thomas Eugene Lytle _____ Anderson
Frank Seddon _____ Boston, Mass.

Agriculture—Agronomy Major

Luther Perdee Anderson _____ Nichols
Joseph Ashley, Jr. _____ Ellenton
Harry Jetton Cherry ___ Charlotte, N. C.
George Pringle Copeland _____ Clinton
Fielding Lewis Foreman _____ Ellenton
Wallace Otto Hardee _____ Greelyville
John Thomas Johnson, Jr._____Lynchburg
John Wilson Laney, Jr. ___ Bennettsville
Alexander Meldeau Lofton
_____ McClellanville
Homer Robuck Montgomery __ Woodruff
James Hargrove Montgomery, Jr.
_____ Gable
Robert Russell Montgomery, Jr.
_____ Woodruff
Dewey Elbert Sims _____ Lynchburg
Lewis Bernard Smith _____ Mullins
Harvey Wilson Tiller, Jr. ____ Mayesville
Joe Luke White _____ McCormick
J. Frank Williams _____ Dacusville

Agriculture—Animal Husbandry Major

William Lewis Brown _____ York
Harris Bradford Craig _____ Liberty
Harry Falls, Jr. _____ Asheville, N. C.
Charles Edwin Freeman _____ Liberty
William Clark Grant _____ Andrews
*John Morgan Gulledge _____ Callison
Larry Maynard Haigler _____ Cameron
Daniel Bruce Plyler _____ Monroe, N. C.
Joseph Leslie Powell _____ Hartsville
George William Rauton, Jr._____Johnston
Welton Lanier Shealy _____ Gilbert
William Harold Starnes _____ Salley
Osborne Laval Wallace _____ Dillon

Agriculture—Dairy Major

*Ernest Lee Corley, Jr. _____ Saluda
Graham Edward Hawkins, Jr.
_____ Greenwood
Ernest Wilton Lee _____ Landrum
Sam Evans McGregor _____ Lykesland
**William McKay__Hendersonville, N. C.
Carroll Spivey Rowell _____ Andrews
Henry Harrison Whitaker _____ Clinton

Agriculture—Entomology Major

Julian Eugene Keil _____ Naval Base

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* With honor
** With high honor

Agriculture—Horticulture Major

James Henry Aichele _____ Charleston
James Cox Bishop _____ Frogmore
Carroll Livingston Brown ____ Anderson
Jack McKenzie Clegg _____ Ridgeland
James Henry Crawford, Sr. ___ Clemson
Glenn Fred Elmore _____ Greer
Arthur Herbert Lachicotte, Jr.
_____ Pawleys Island
Henry Arnold Smith _____ Greenville

Agriculture—Poultry Major

John Raymond West _____ Spartanburg

Agricultural Engineering

Clyde Robert Allen _____ Latta
Ralph Bell, Jr. _____ Hartsville
Henry Neyle Black _____ Ruffin
James Porter Bull _____ Santee
Frank Lockwood FitzSimons, Jr.
_____ Hendersonville, N. C.
Philip Emanuel Gervais ___ Johns Island
Winston Yuvawn Godwin ___ Summerton
Joseph Milton Hammett _____ Gaffney
John Farris Hicks _____ York
David Mattison Jameson ___ Honea Path
Silas Johnstone Klettner, Jr.
_____ Hartsville
Herman Pinkney Lynn _____ Clemson
Bennie Mays Mayson, Jr. _____ Clemson
William Manly Norris _____ Vance
John Chapman Pinckney___Pritchardville
Billy Gordon Rogers _____ Lake View
Simon Tyler Russell _____ Jamestown
Robert Wilson Sanders _____ Kline
Ray Virgene Segars, Jr. _____ Oswego
**Absalom West Snell _____ Elloree
Thornwell Forrest Sowell, Jr.
_____ Chesterfield
Robert Callaham Uldrick _____ Donalds

School of Arts and Sciences

Bachelor of Science Degree

Arts and Sciences

George Thomas Barnes __ Savannah, Ga.
Newton Craig Brackett, Jr. ____ Pickens
Marshall Bright, Jr. _____ Lyman
Huddleston York Burdette ___ Charleston
Dickson Lewis Craig _____ Greenville
John William Crisanti__Manasquan, N. J.
**George Cochran Fant, Jr. __ Anderson
John Perry Garrett, Jr. _____ Greenville
Joe Dean Gault _____ Blacksburg
Talmadge De Witt Gault, Jr. ___ Gaffney
James Ted Gregory _____ Union
James Gay Hickerson__Greensboro, N. C.
William Bernard Humphries ___ Gaffney
Giles Floyd Lewis, Jr. ____ Orlando, Fla.
Thomas Brogdon Love _____ Alcolu
Matthew Daniel Lyon, Jr. ____ Johnston
William Lewis McDowell, Jr. ___ Chester
David Delmus McRae, Jr. _____ Florence
Robert Alexander Martin _____ Fort Mill
*Franklin Gasque Mason _____ Mullins
Richard Thompson Mattison _____ Aiken
William Henry Moore ___ Sandy Springs
Julian Hamaden Morgan, Jr.
_____ Spencer, N. C.
*Earle Elias Morris, Jr. _____ Pickens
Philip Hunter Prince _____ Erwin, Tenn.
Carl Samuel Pulkinen _____ Charleston
James William Ragsdale _____ Blairs
William Wyman Richbourg _____ Union
Walter Bair Salley _____ Orangeburg
James Joseph Simpson _____ Anderson
Myron Alexander Smithwick ____Chester
William Riley Swearingen __ Greenwood
William Carver Talbert, Jr. __ Columbia
Henry Tecklenburg, Jr. _____ Charleston
Robert Olin Watson _____ Blaney
Robert Franklin Wiggins _____ Mullins

General Science

Donn Bryson Euwer _____ Greenville

Industrial Physics

Lawrence Gignilliat Adams _____ Seneca
David Isaac Buchman__New York, N. Y.
Harry Sanborn Corey, III
_____ Asheville, N. C.
Tommy French McCraw _____ Gaffney
George Frank Norris, Jr. _____ Duncan

Pre-Medicine

Raymond Edward Ackerman
_____ Moncks Corner
Daniel Carlyle Baxley _____ Kershaw
**Joseph Norman Berry__Dunwoody, Ga.
William Randolph Chapman ____ Inman
*William Forney Dukes ____ Branchville
Julius Richard Earle _____ Walhalla
David Augustus Foster _____ Greenwood
David Lawrence Goldsmith __ Greenville
William Jefferies Goudelock, Jr.
_____ Cateechee
Allen Parrott Jeter _____ Rock Hill
Paul Alvin Nelson, Jr. ____ Fountain Inn
James Monroe Parker _____ Charleston
Samuel Lee Perry, Jr. _____ Clemson
Marvin Chapple Rash _____ Lockhart
Allmand McKoy Rose, Jr. _____ Marion
Daggett Orman Royals _____ Conway
*Claude Christopher Sartor__Sharon, Pa.
William Brien Ward, Jr. _____ Rock Hill

* With honor
** With high honor

School of Chemistry

Bachelor of Science Degree

Chemistry

Edward Wallace Black _____ Barnwell
*Crayton McCants Crawford___Greenville
Charles Archer Dodson _____ Greenville
Thomas Whitfield Dunaway, Jr.
_____ Thomaston, Ga.
Burton Henry Gerritsen__Paterson, N. J.
John Lester Ridgeway _____ Laurens
Marion Boulware Sample ____ Greenwood
David Ray Spiner _____ Tampa, Fla.
Charles Neal Still _____ Greenwood
William Byrd Tarver ____ Savannah, Ga.
Ralph French Whall __ San Juan, P. R.
George Treacy Womack _____ Cheraw

School of Engineering

Bachelor of Science Degree

Architectural Engineering

James Allen Hunnicutt, Jr.___Greenville
Willie Earl Massey, Jr. _____ Greenville
*Clyde King Warner, Jr.__Louisville, Ky.
*Avery Wayman Wood, Jr. __ Greenville

Architecture

Eldred Mattatha Brunson, Jr. ____ Estill
**Phelps Herbert Bultman _____ Sumter
John Richard Coney _____ Columbia
James Elijah Cothran, Jr. _____ Inman
William McDow Cureton _____ Union
Albert Reese Fant _____ Anderson
Charles William Fant, Jr. ____ Anderson
Rupert Badger Gasque, Jr. _____ Marion
James Richard Gray _____ Anderson
Frank Dantzler Hemphill ____ Columbia
Harold Brannon Leonard ____ Columbia
Vernon Edward Lewis ____ Spartanburg
Aaron Adger Rice _____ Anderson
Thomas Carlisle Rickenbaker
_____ St. Matthews
Harold Joseph Riddle _____ Laurens
Milton Hardee Richard Sadler__Rock Hill
Bond Robert Sedberry, Jr. ___ Hartsville
John Knox Stacy _____ Savannah, Ga.
Robert Tegid Thomas, Jr.
_____ Glen Ridge, N. J.
Joseph Peter Wilk
_____ East Port Chester, Conn.

Bachelor of Chemical Engineering Degree

John Julian Banks _____ Augusta, Ga.
Earle Pardee Bisher _____ Kingston, Pa.
Dewitt O. Blanchett _____ Greenville
Mack Monroe Earnhardt
_____ Kannapolis, N. C.
William Innis Fox _____ Anderson
Clyde Maxwell Guest, Jr._____ Greenville
Walter Clyde Herron, Jr. _____ Anderson
*David Rene Parish _____ Dillon
Edgar Henry Pittman, Jr. __ Bishopville
Paul Jackson Province
_____ Chattanooga, Tenn.
Russell Blake Waddell, Jr.
_____ Charlotte, N. C.
Ralph French Whall ___ San Juan, P. R.
*William Henry Wingate, Jr.
_____ Fairhaven, Mass.

Bachelor of Civil Engineering Degree

John Paschal Ashmore, Jr. __ Greenville
Edward Robert Banks ___ Savannah, Ga.
William Frank Bolt _____ Anderson
John Clayton Boyles ____ Savannah, Ga.
John Calhoun Caldwell, Jr.
_____ Charlotte, N. C.
Robert Morris Clayton _____ Pickens
Thomas Ashley Cockfield _____ Scranton
Jessie Thomas Cox _____ Greenwood
Leslie Ray Davis _____ Chicago, Ill.
Dick Ware Denton, Jr. ____ Decatur, Ga.
Wallace Parrott DesChamps
_____ Bishopville
William N. DeVore _____ Ninety Six
*Wilton Eskridge _____ Cheraw
Joseph Andrew Farmer, Jr._____Anderson
Phil Reese Floyd _____ Greenville
Edwin Armistead Freeman ____ Clemson
Charles Vernon Godwin _____ Sumter
Jesse Stribling Goodman, Jr._____Clemson
Robert Bunting Hand _____ Florence
Ernest Alexander Hanvey __ McCormick
Francis Gerald Harper _____ Anderson
John Manning Harper, Jr. ___ Greenville
Eugene Gordon Hay _____ Charleston
Arthur Boyd Johnson, Jr. __ Spartanburg
Roger Gentry Kivett _____ Greenville
Lester Phillips Landgraf
_____ Panama City, Fla.
Roy Franklin Lanford ____ Spartanburg
Gordon Stuart Leslie _____ Newberry
Jack Siceloff Liles _____ Charlotte, N. C.
Billy Jones McCoy _____ Greenville
James Palmer Mallard, Jr. _____ Sumter
Lee Charles Page _____ Asheville, N. C.
Harry Middleton Parker _____ Sumter
David Charles Perrell
_____ Winston-Salem, N. C.
James Talmadge Price _____Starr
Robert Joseph Rauch _____ Rock Hill
*Bennie Fladger Richbourg, Jr.
_____ Summerton
Joseph Miles Robinson, Jr. ____ Rembert
Jack Alfred Sandel _____ Greenville
Augustus Waite Shoolbred, Jr.
_____ Columbia
David Norris Simpson _____ Anderson
Lewis Marcum Townsend
_____ Pisgah Forest, N. C.
Carl Oliver Ulmer _____ Elloree
William Andrew Ward _____ Darlington
Charles Webb _____ Beaufort
William Frazier Wilson
_____ Greensboro, N. C.
Marion Madison Wood _____ Greer
Robert Harper Yeargin ____ Gray Court
John Tatum Zeigler, Jr. ___ Orangeburg

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* With honor
** With high honor

Bachelor of Electrical Engineering Degree

James Kyle Addison _____ Cottageville
Clyde Elliott Bagwell _____ Spartanburg
Billy Dan Bailey _____ Heath Springs
Oscar Heyward Bellamy, Jr. __ Florence
*John Cecil Berly, Jr. _____ Pomaria
*John Broadus Berry, Jr.__Dunwoody, Ga.
Bryce Carlyle Bishop _____ Greenwood
William Gordon Bodie _____ Wagener
Ernest Louis Bonnoitt _____ Florence
James Edward Bouknight ____ Newberry
Wallace Bland Britton _____ Columbia
Columbus Durant Capelle _____ Clemson
Cecil Wesley Carroll _____ Naval Base
John Fletcher Covington _____ Clio
John Craig Cranston ____ Augusta, Ga.
Daniel Elden Cross __ Jamestown, N. Y.
Lewis Murchison Dibble ____ Orangeburg
William Ebbie Farris _____ Rock Hill
Frank Irvin Gillespie __ Beckley, W. Va.
William Coyle Ginter, Jr.
_____ Charlotte, N. C.
William Thomas Goodwin__Spartanburg
James Walton Gordon ___ Willard, Ohio
Clarence Smith Gramling __ Orangeburg
Rollie Gatlin Hanna, Jr. __ Bennettsville
James Napoleon Heape, Jr.__Naval Base
John Louie Hendrix _____ Anderson
James Tally Hill _____ Timmonsville
William Ford Howell, Jr. ____ Lancaster
Warren Ingram Jeffords _____ Forence
Donald Macbeth Jenkins _____ Union
Alvin Hughey Jester, Jr. ___ Greenwood
John Martin Johnston _____ Greenville
Oliver Boyce Jones _____ Greenville
*Marvin Fowler Keeney, Jr.
_____ Spartanburg
James Anderson Kinard _____ Fairfax
John Zimmerman Lowe ___ Spartanburg
Daniel Brady McKay, Jr. ___ Winnsboro
***Hugh Ellison McKinney __ Greenville
*George Peter Mandanis __ Spartanburg
Joe William Moore _____ Sumter
Walter Dennis Owings _____ Greenwood
Robert Tarrant Payne __ Charlotte, N. C.
Loye Harvey Powell__Washington, D. C.
Raymond Griffin Richardson, Jr.
_____ Florence
James Harold Robinson _____ Greenville
Beverly Bruce Ross _____ Greer
Coit Wilson Ross _____ Houston, Texas
John Havers Scott, Jr. __ Pritchard, Ala.
James Clifton Senn _____ Spartanburg
*Joe Holland Sipple, Jr. _____ Columbia
James Douglas Smith, Jr. _____ Union
Charles Edward Stone, Jr. ____ Columbia
Forrest Henry Thieker, Jr.___Georgetown
Hoyle T. Thompson, Jr. _____ Columbia
Jack Douglas Thompson _____ Greenville
James Thomas Turner _____ Winnsboro
Eddie Milton Vaughn, Jr. ___ Greenwood
Hugh Swinton Wayne, Jr._____Charleston
Warren Fletcher West, Jr.__Spartanburg
Leon Paul Williams, Jr.__North Augusta

Bachelor of Mechanical Engineering Degree

William Nelson Ackerman
_____ Moncks Corner
John Nash Austin _____ Laurens
Frank Ewing Beaty, Jr. _____ Charleston
William Barron Boyd _____ Greenville
Bevan Wood Brown, Jr. _____ Starr
John Clyde Champion, Jr.__Shelby, N. C.
Elliott David Cohen _____ Charleston
James Milton Collins _____ Greenville
John Marshall Crawford __ Spartanburg
Albert Allen Dalton, Jr. _____ Seneca
Walter Lewis Davis _____ Easley
**Alvon Creighton Elrod _____ Walhalla
**William Corbin Elrod _____ Walhalla
*Robert Alston Few _____ Greer
William Williams Foard _____ Marion
William Arthur Gaines, Jr. _____ Central
Warren Ray Gibson _____ Taylors
Wallace Reinhardt Irwin __ Spartanburg
Edward Micah Jenkins, Jr. _____ Osborn
Ray Allison Johnson _____ Pelzer
Lawton Lipscomb Johnston__Graniteville
William Herman Lake _____ Walhalla
Linwood Hayne Lamar, Jr.__Augusta, Ga.
John Edgar Lockman _____ Spartanburg
Henry Eugene Lollis _____ Taylors
Richard Alan McGinty _____ Clemson
Jerry William Merritt _____ Greenville
James Bethel Orders, Jr. ____ Greenville
George Stewart Pardue _____ Aiken
Francis Sayers Riley__Hilton Village, Va.
William Harold Scurry _____ Edgefield
Dickey Ryland Shelor _____ Greenville
William Martin Sheridan____Spartanburg
Michael Willis Simpson ____ Williamston
*Roy Edwin Smith _____ Greenville
David Coleman Sojourner ____ St. George
James Allen Stanley, Jr. _____ Sumter
Hale Caterson Sweeny _____ Anderson
Harold Barrett Swygert, Jr.___Greenville
Garris Archibald Thompson, Jr.
_____ Sumter
Arthur Vernon Vickery __ Hartwell, Ga.
Norman Paul Wagner ___ Newark, N. J.
Thomas James Weeks, Jr. ___ Charleston
Charles Dean Willard _____ Whitmire
James Charles Wood _____ Chester
**William Harold Wood ____ Gray Court

School of Textiles

Bachelor of Science Degree

Textile Chemistry

Luther William Armstrong __ Charleston
Charles Morrison Barrett ____ Lancaster
*Joseph Patrick Clancy _____ Lancaster
Clinton Albert Dyer _____ Charleston
Avery Falls Garrison, Jr.
_____ Hartwell, Ga.
Harold Bertram Hatfield, Jr. ___ Sumter
Bennett Mack Keasler _____ Westminster
Clinton Ward Riser _____ Columbia
*Douglas Kay Seaborn _____ Walhalla
Erwin Collins Thornton ___ Spartanburg
Jerome Wilson, Jr. _____ Anderson

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* With honor
** With high honor
*** With highest honor

Textile Engineering

Robert Singleton Bonds ____ Georgetown
Harry Weston Chappell, Jr.
_____ Cartersville, Ga.
*Jim Reichart Conn _____ Woodruff
Edwards Jennings Corley ___ Ninety Six
Mason Hardin Dorsey _____ Chester
Harry Utley Earle, Jr. _____ Walhalla
Carroll Blake Gambrell, Jr.
_____ Birmingham, Ala.
John Perrin Harrison _____ Troy
William Dallas Le Grand ____ Greenville
James Dallas May _____ Ware Shoals
Paul Cranford Mickle _____ Rock Hill
John Paul Norton _____ Easley
Paul Belton Skinner _____ Ware Shoals
Leo Othello Todd _____ Fairfax
Arthur Eugene West _____ Greenville

Textile Manufacturing

Marion Hugh Anderson _____ Greenville
Wendell Milford Ashley _____ Anderson
Paul Edward Baker _____ Whitmire
William Edward Barnes _____ Newberry
Emery Bates, Jr. _____ Rock Hill
Ray Asbury Bolick _____ Hickory, N. C.
Francis Alvin Bosdell _____ Greenwood
Robert Edward Boylston _____ Sumter
Jack Andrews Bradford _____ Anderson
Jack Tyson Brawley _____ Chester
Edwin Thompson Broadwell, Jr.
_____ Sumter
William Merrill Brown _____ Greenville
Frank Barron Cameron _____ Greenville
Marvin Payne Cannon, Jr. ___ Greenville
Lewis Anderson Carson ____ Orangeburg
Joseph William Chalmers ___ Greenwood
Robert Joseph Cheatham, Jr.
_____ New Orleans, La.
William Jeff Childers _____ York
John Frank Clark _____ Walhalla
William Alfred Cobb _____ Pelzer
Luther Peniston Corley__Harrison, N. Y.
David Earl Cowan _____ Abbeville
Isaac Langston Donkle, Jr. __ Greenville
Francis Clarence Dusenberry___Due West
Douglas Fitchett Elms _____ Fort Mill
Mack Cely Elrod _____ Piedmont
Arthur Malcolm Erwin _____ Abbeville
Paul Franklin Foster _____ Woodruff
William Townes Fraser, Jr. __ Greenville
*Julian Erwin Gardner _____ Joanna
Joseph Leslie Garrett, Jr. ____ Greenville
*Floyd Frederick Griffin, Jr.___Greenville
George William Griggs _____ Society Hill
Carroll Johnson Haddon _____ Abbeville
Thomas Lee Hair, Jr. _____ Anderson
Quincy Stanford Halliday, Jr.
_____ Spartanburg
William Lucas Harrington, Jr.
_____ Greelyville
James Harvey Harrold ____ Pacolet Mills
Leon Otto Herd _____ Greenville
Emory Jamieson Hollis _____ Chester
Neely McFadden Hollis _____ Rock Hill
Bennett Easterlin Hudson ____ Greenville
James Ray Inabinet _____ St. Matthews
James Copeland Jacobs _____ Greenville
Z. K. Kelly, Jr. _____ Pelzer
Harry Rychen Kennedy
_____ Black Mountain, N. C.
William Fent Latham _____ Anderson
Percy James Leach, III _____ Abbeville
Ernest Johnston Long _____ Gaffney
James Lloyd Lucas, Jr. _____ Lancaster
Marion Franklin McAlister ___ Abbeville
Leo William McClain _____ Donalds
Duncan Craig McIntyre _____ Marion
*William Ernest McSwain _____ York
Samuel John Martin, Jr. __ Atlanta, Ga.
**Harry Malone Miller _____ Chester
Jimmy Holland Moore _____ Spartanburg
Jack Jefferson Nipper ____ Lowell, N. C.
Van Cleveland Oxner, Jr. _____ Kinards
Maxcy Brooks Patterson _____ Laurens
Clarence Lee Pickens _____ Anderson
Leland O. Puckett, Jr.__Charlotte, N. C.
Robert John Rice _____ Anderson
Francis Miller Richardson ___ Greenville
Richard Edmond Robinson _____ Greer
Averit Ellison Saylors _____ Ninety Six
Robert Ware Sistrunk, Jr.__Decatur, Ga.
Lee Stanley Smith _____ Clemson
John Rayford Snipes _____ Greenwood
Erston Gartrell Sparks _____ Gaffney
James Dewey Stone _____ Rock Hill
Jesse Lee Stroman, Jr. _____ Orangeburg
Raymond Estil Townsend _____ Laurens
Loftin Conley Trueblood__Asheville, N. C.
George Ellis Uldrick _____ Donalds
Leonard Ralfe Volk
_____ Far Rockaway, N. Y.
Eugene Clifton Wald _____ Seneca
Arthur Gerard Ward _____ Greenville
Fred James Weir, Jr. _____ Newberry
*Paul Jennings White _____ Greenville

School of Vocational Education

Bachelor of Science Degree

Education

Larry Welborn White _____ Easley

* With honor
** With high honor

Industrial Education

Charles Americus Bianchi, Jr. _____ Blythewood
Warren Robert Cathcart, Jr. _____ Spartanburg
Gene Shute Flynn _____ Lancaster
Carroll Emil Gainer _____ Lancaster
Elijah Miles Moss _____ Seneca
Charles Jarrell Weeks _____ North Augusta

Vocational Agricultural Education

James Wendell Ard _____ Hemingway
Douglas Arnold Barfield _____ Kershaw
Carl Dewel Boggs _____ Seneca
James Elbert Clardy _____ Wampee
Jack Percy Corn _____ Greenvillle
James Dodd Daniel, II _____ Lake City
Bailey Milton Faile _____ Kershaw
Luther Junior Fields _____ Lydia
John Walter Fletcher _____ McColl
Randall Robert Foster _____ Chesnee
Arthur Laymond Goff _____ Saluda
William McDonald Goodman _____ Olanta
Roy Lee Graham, Jr. _____ Seneca
William Harry Graham _____ Anderson
*Frank Matthew Hart _____ Union
Ed Hucks, Jr. _____ Aynor
Toy Andrew Hyder, Jr. _____ Campobello
Joseph Clyburn Jackson _____ Camden
Nevon Fouche Jeffcoat _____ Swansea
*Donald Lee Johnson _____ Windsor
William Calhoun Johnson _____ Edgefield
Raymond Saxby Joyner _____ Ward
Alvin Laverne Lindler _____ Chapin
Bobbie William Mitchum _____ Smoaks
Joe Edd Murphree _____ Walhalla
Henry Daniel Parkman _____ Saluda
John Portman Pickens _____ Madison
**Elisha Monroe Rallings _____ Pageland
Carey Lee Sellers _____ Mt. Croghan
Gerald Gilmore Truesdale _____ Kershaw
John Thomas Walker, Jr. _____ Manning
Raydell Ralph Williams _____ Swansea

MASTERS' DEGREES CONFERRED JUNE 5, 1949

School of Agriculture

Master of Science Degree

Agricultural Economics

Lehman M. Bauknight, Jr. _____ Easley

Agronomy

Bruce Dayvault Cloaninger _____ Clemson

School of Engineering

Master of Mechanical Engineering Degree

Clarence Rollins Jones, Jr. _____ Ashton

BACHELORS' DEGREES CONFERRED AUGUST 19, 1949

School of Agriculture

Bachelor of Science Degree

Agriculture—Agricultural Economics Major

Earle LaBruce Knight _____ Andrews

Agriculture—Agronomy Major

James Walter Dobson, Jr. _____ Central
Robert Hastings Holley _____ Aiken
Hiram Franklin Meadows _____ Woodruff
Nathan Robert Salley _____ Salley

Agriculture—Animal Husbandry Major

John Lloyd Adair, Jr. _____ Clinton
*Ira Jones Adams _____ Kershaw
Franklin La Fayette Cox___Mayfield, Ga.
Jerome Madison Gramling___Orangeburg
George Pitt Lachicotte _____ Pawleys Island
Joseph Walter Mahaffee, Jr._____Gaffney
Jack Leonard Price _____ Gaffney

Agriculture—Dairy Major

Albert Thomas Gilpin _____ Chester
Thomas Hobbs Rainsford _____ Edgefield
Jack Childers Hart _____ Greenville

Agriculture—Horticulture Major

John Wylie Ross _____ Greer
G. H. Taylor _____ Gilbert

Agriculture—Poultry Major

Charles Pack Willimon _____ Greenville

Agricultural Engineering

Lacy Leanneau Edwards, Jr. _____ Marion
Lanier Stokes Livingston _____ North
Joe Major Pruitt, Jr. _____ Anderson
Charles Wilburn Wilson _____ Landrum

* With honor
** With high honor

School of Arts and Sciences

Bachelor of Science Degree

Arts and Sciences

Leland Richard Cannon ------ Anderson
James Henry Carter, Jr. --- Georgetown
Oscar Fred Danner, Jr. ------ Jonesville
*Thomas Daniel Donegan
---------- New York, N. Y.
Julian Harrison Fair, Jr. -- St. Matthews
Fitz Lee Hardin, Jr. ---------- Chester
Claude C. Howell ---------- Troy, N. C.
Robin Allyn Julien --------- Greenwood
David Longley Peebles --- Hampton, Va.
Preston Sanders Shealy ------ Batesburg
Paul Hamilton Sloan --------- Anderson
James Wilson Snipes ---------- Marion
John Ripley TeBow ------- Augusta, Ga.
George Truman Walton --------- Belton
Frank Merritt Wilkerson--Hickory Grove

Industrial Physics

Louis Hampton Cook, Jr. ---------- Bishopville

Pre-Medicine

Philip William Gilroy -------- Greenville
Ben Gerald Richardson -------- Pomaria

School of Chemistry

Bachelor of Science Degree

Chemistry

John Owen Lewis, Jr. ---------- Marion
James Jefferies Littlejohn -- Spartanburg

School of Engineering

Bachelor of Science Degree

Architectural Engineering

Floyd Ferguson Kay, Jr. ---------- Charlotte, N. C.

Architecture

Jerry Edward Williams --- Spartanburg
Guy Austin Yeargin ---------- Anderson

Chemistry-Engineering

James Allen Brown ---------- Greenville

Bachelor of Architecture Degree

Samuel Rufus Putnam, Jr. ---------- Clemson

Bachelor of Civil Engineering Degree

Chester B. Aiken, Jr. ---------- Pickens
Frederick Wilhelm Andrea, Jr.-----Greer
William Valentine Hadsell, Jr.
---------- Savannah, Ga.
*Ivan Dewitt King, Jr. ----- Gray Court
John Decatur Locke, Jr. -------- Taylors
**Ashby Benjamin Moon, Jr.
---------- Columbus, Ga.
Ben Lauren Bates ------- Carolla, N. C.
Alan Wayne Potter ---------- Clifton
John Allen Richbourg ------ Summerton
John Clement Rogers ---------- Chesnee
Ephriam Mikell Seabrook, Jr.
---------- Mt. Pleasant
Joe Oscar Smith ---------- Elberton, Ga.

Bachleor of Electrical Engineering Degree

William Pinkney Boliek -- Sarasota, Fla.
Charles Babb Cannon, Jr. ----- Laurens
George William Connelly ---- Newberry
Thomas Burnette Fairey --- Orangeburg
Alexander Francis Hammond -- Camden
Robert Lawrence Heyd, Jr.
---------- New York, N. Y.
Chadwick Burwick Hucks
---------- Savannah, Ga.
**Howard E. Lee, Jr.
---------- Newport News, Va.
Julien Theodore Melchers, Jr.
---------- Mt. Pleasant
John Bunyan Mitchell ---------- Saluda
Richard Eugene Nix ---------- Florence
Francis Peyre Porcher ------ Charleston
***Garland Berte Seaborn, Jr.---Central
Henry Calvin Shadwell ------- Columbia
Henry John Thiele, Jr. ------ Charleston

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* With honor
** With high honor
*** With highest honor

Bachelor of Mechanical Engineering Degree

Roland Lewis Allen, Jr. ____ Greenville
Benjamin Hiram Baggott ____ Columbia
Merrill Vernon Davis ___ Concord, N. H.
James David Hill, Jr. ____ Sanford, N. C.
Richard Gene Leiby _____ Sumter
William Francis McClain __ Honea Path
Frank Weston Mahon, Jr. ___ Greenville
David Joseph Mangan __ Springfield, Mo.
Charles Haley Martin _____ Aiken
Arthur Davis Plowden _____ Sumter
Harold Bernard Powell ____ Spartanburg
John Day Simonds _____ Orlando, Fla.

School of Textiles

Bachelor of Science Degree

Textile Chemistry

Richard Cramer Ellison _____ Lancaster
Jack Holt Emerson _____ Atlanta, Ga.
Walter Brice Kelsey, Jr. _____ Chester
John Marshall Withington ___ Greenville

Textile Engineering

John Dwight Bell, Jr. _____ Naval Base
John Henry Bevis, Jr. _____ Charleston
Keith Harlan Buchanan _____ Anderson
Henry Burton Coyle _____ Gaffney
Thomas Eugene Eskew _____ Whitmire
Harold Dwight Hughey _____ Greer
William Edgar Josey _____ Anderson
John Foy Walser _____ Salisbury, N. C.
Robert L. Whitaker _____ Union
Durham DeCaney Williams, Jr.
_____ Georgetown

Textile Manufacturing

Arthur Edward Abrams ___ Ware Shoals
William Julian Arnette _____ Winnsboro
*William Charles Ballew _____ Easley
Milton Norwood Bridwell ____ Greenville
Jimmie Lewis Cantrell _____ Fort Mill
John Preston Carwile _____ Abbeville
Robert Gage _____ Anderson
Thomas Vincent Mims __ Talladega, Ala.
General June Pruitt _____ Greer
William Hunter Stallworth, Jr.
_____ Jacksonville, Fla.
James Edward Stevens ____ Spartanburg
Bruce Elliott Taylor _____ Greer
Roderick Murchison Todd _____ Anderson

School of Vocational Education

Bachelor of Science Degree

Industrial Education

Charles Harvey Holladay _____ Sumter
Edward Hanks Jones _____ Great Falls

Vocational Agricultural Education

William Clyde Carter _____ Fort Lawn
Mims Harth Fanning _____ Springfield
Edward Hardy Green___Dyersburg, Tenn.
**Morris Marshall Harrison _____ Pelzer
Cecil Cleon Howard _____ Pickens
James Leland La Frage _____ Fort Mill
Clarence Henry Lathan _____ Lowrys
Luther Washington Little, Jr.__Newberry
George Smith McKenzie _____ Mullins
George Edwin Mason _____ Fairplay
James Albert Neves _____ Taylors
*Van Clinton Porter _____ Williston

MASTERS' DEGREES CONFERRED AUGUST 19, 1949

School of Agriculture

Master of Science Degree

Agricultural Economics

Dennis E. Crawford _____ Clemson
John Ritchie Smith __ Hot Springs, Ark.

School of Arts and Sciences

Master of Science Degree

Physics

John Mauldin Watkins, Jr._____ Greenwood

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* With honor
** With high honor

GRADUATES OF 1949 BY MAJOR COURSES

SCHOOL OF AGRICULTURE	147
Agricultural Economics	10
Agricultural Engineering	36
Agronomy	34
Animal Husbandry	37
Dairy	12
Entomology	1
Horticulture	15
Poultry	2
SCHOOL OF ARTS AND SCIENCES	95
Arts and Sciences	63
General Science	2
Industrial Physics	7
Pre-Medicine	23
SCHOOL OF CHEMISTRY	15*
Chemistry	15*
SCHOOL OF ENGINEERING	313*
Architectural Engineering	8
Architecture (5-year)	1
Architecture (4-year)	31
Chemical Engineering	13*
Chemistry-Engineering	1
Civil Engineering	79
Electrical Engineering	96
Mechanical Engineering	84
SCHOOL OF TEXTILES	162
Textile Chemistry	18
Textile Engineering	31
Textile Manufacturing	113
SCHOOL OF VOCATIONAL EDUCATION	69
Education	1
Industrial Education	12
Vocational Agricultural Education	56
TOTAL GRADUATES OF 1949	800

* Includes one student who was graduated both in Chemistry and Chemical Engineering.

TOTAL GRADUATES BY MAJOR COURSES
1896 – 1949

Major Course	*Total*	*Major Course*	*Total*
Agriculture	244	Electrical Engineering	810
Agriculture and Animal Industry	80	Engineering Industrial Education	70
Agriculture and Chemistry	69	Entomology	116
Agricultural Chemistry	99	Forestry	8
Agricultural Economics	147	General Science	359
Agricultural Education	197	Horticulture	304
Agricultural Engineering	177	Industrial Education	127
Agronomy	532	Industrial Physics	15
Animal Husbandry	302	Mechanical Engineering	597
Architectural Engineering	19	Mechanical and Electrical Engineering	489
Architecture	247	Poultry	2
Arts and Sciences	222	Pre-Medicine	115
Bachelor of Science	3	Soils	9
Botany	11	Textile Chemistry	177
Chemical Engineering	62	Textile Engineering	846
Chemistry	238	Textile Industrial Education	85
Chemistry and Geology	11	Textile Manufacturing	121
Chemistry-Engineering	43	Veterinary Science	16
Civil Engineering	723	Vocational Agricultural Education	509
Dairy	234	Weaving and Designing	42
Education	23		

Double Majors

Agricultural Chemistry and Arts and Sciences	1
Agricultural Chemistry and General Science	1
Agricultural Economics and Animal Husbandry	1
Agricultural Economics and Vocational Agricultural Education	1
Agronomy and Vocational Agricultural Education	2
Animal Husbandry and Vocational Agricultural Education	3
Animal Husbandry and Agricultural Education	3
Animal Husbandry and Dairy	2
Architecture and Architectural Engineering	9
Architecture, four-year, and Architecture, five-year	1
Arts and Sciences and Agricultural Economics	1
Chemical Engineering and Chemistry and Chemistry-Engineering	3
Chemical Engineering and Chemistry-Engineering	1
Chemistry and Chemical Engineering	1
Chemistry and Chemistry-Engineering	1
Chemistry and General Science	1
Chemistry and Industrial Physics	1
Chemistry and Agricultural Chemistry	1
Civil Engineering and Chemistry and Geology	2
Electrical Engineering and Mechanical Engineering	16
General Science and Education	1
General Science and Electrical Engineering	1
Horticulture and Agronomy	1
Pre-Medicine and Textile Chemistry	1
Textile Engineering and Mechanical and Electrical Engineering	1
Textile Engineering and Textile Industrial Education	1
Textile Engineering and Textile Manufacturing	1
Textile Engineering and Weaving and Designing	1
Total Graduates from 1896 through 1949	8560

LIST OF STUDENTS, 1949 SUMMER TERM

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag En-Agricultural Engineering, Pre-For-Pre-Forestry; A&S-Arts and Sciences, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Ch En-Chemical Engineering, Ch-En-Chemistry-Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering; TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing; Ed-Education, Ind Ed-Industrial Education, VAE-Vocational Agricultural Education.

New students admitted in June, 1949 are indicated by an asterisk (*).

Name and Course	Address
Abrams, A. E. (4 TM)	Ware Shoals
Adair, J. L. (4 AH)	Clinton
Adams, I. J. (4 AH)	Kershaw
Adams, L. C. (S)	Clemson
Aguilar, J. E. (4 TM)	Alajuela, C. R.
Aiken, C. B. (4 CE)	Pickens
Aiken, D. A. (4 TM)	Winnsboro
Aiken, F. V. (3 TM)	Bath
Akers, D. J. (4 Hort)	Carrollton, Ky.
Alexander, B. M. (3 TM)	Lyman
Alexander, J. M. (1 E-CE)	Westminster
Alexander, M. W. (2 A-Agron)	Westminster
Allen, H. F. (2 A-Agron)	Latta
Allen, L. D. (4 EE)	Savannah, Ga.
Allen, L. R. (1 VAE)	King's Creek
Allen, O. L. (4 CE)	West Union
Allen, R. L. (4 ME)	Greenville
Allison, H. G. (3 TM)	Gaffney
Ameen, W. O. (4 Ar En)	Winnsboro
Amick, W. A. (2 TM)	Rock Hill
Anderson, B. R. (4 VAE)	Timmonsville
Anderson, C. P. (4 TM)	Lexington, N. C.
Anderson, R. B. (3 Poul)	Sleepy Eye, Minn.
Andrea, F. W. (4 CE)	Greer
Arnette, W. J. (4 TM)	Winnsboro
Arnts, G. W. (4 CE)	North Tonawanda, N. Y.
Aronson, A. A. (SG)	Raleigh, N. C.
Arthur, R. A. (PG CE)	Spartanburg
Ash, E. R. (3 ME)	Greenville
Ashley, R. H. (3 A&S)	Iva
Askins, S. E. (2 Ch En)	Kingstree
Atkins, W. G. (4 TM)	Anderson
Atkinson, F. W. (4 Ag En)	Augusta, Ga.
Aycock, E. R. (4 TM)	Greenville
Baggott, B. H. (4 ME)	Columbia
Bailey, G. T. (4 TE)	Greenville
Bailey, R. B. (S TE)	Clemson
Bailey, T. A. (1 A-AH)	Naval Base
Bailey, T. W. (3 CE)	Summerville
Bailey, W. P. (4 A&S)	Greenwood
Baker, O. E. (3 AH)	Nichols
Baldwin, O. S. (2 Ind Ed)	Charleston
Ball, S. E. (4 TM)	Greenville
Ballenger, R. D. (4 TM)	Charlotte
Ballenger, S. B. (4 TM)	Chattanooga, Tenn.
Ballenger, S. H. (S)	Walhalla
Ballentine, G. W. (1 TM)	Blythewood
Ballentine, W. W. (3 Ag Ec)	Blythewood
Ballew, C. B. (3 Ed)	Liberty
Ballew, W. C. (4 TM)	Easley
Balloch, J. (4 TM)	Travelers Rest
Barker, H. V. (3 CE)	Seneca
Barnett, J. C. (1 Pre-Med)*	Marietta
Barnett, J. T. (3 Arch)	Memphis, Tenn.
Barton, T. E. (1 Ed)	Lancaster
Bass, T. C. (3 Arch)	Greenville
Bates, B. L. (4 CE)	Spartanburg
Bates, C. L. (1 Ar En)	Charlotte, N. C.
Bates, E. L. (2 A-Dairy)	Neese
Bates, S. W. (3 EE)	Naval Base
Batson, H. G. (2 TM)	Laurens
Bearden, H. J. (3 TM)	Cliffside, N. C.
Bearss, W. A. (2 EE)	Columbus, Ga.
Bell, G. M. (3 Ar En)	Anderson
Bell, J. D. (4 TE)	Naval Base
Bell, R. R. (1 TM)	Pelzer
Bennett, R. J. (1 VAE)	Union
Bennett, R. M. (2 Ag En)	Greer
Berry, B. C. (3 Ag Ec)	Johnston
Berry, E. B. (S)	Anderson
Berry, W. E. (2 A-Agron)	Ellore
Berry, W. W. (3 A&S)	Greenville
Bevis, J. H. (4 TE)	Charleston
Beyer, F. W. (S)	Clemson
Bishop, J. H. (1 TM)*	Ware Shoals
Black, J. A. (4 TM)	You
Blair, A. E. (4 EE)	Greenville
Blair, E. W. (1 E-CE)*	Spartanburg
Blair, G. W. (2 EE)	Savannah, Ga.
Blessing, A. L. (1 E-ME)	Kingsport, Tenn.
Blythe, J. W. (4 ME)	Pelzer
Bodie, A. B. (3 EE)	Newberry
Bodle, W. J. (1 E-ME)	Anderson
Boggs, C. R. (1 TM)	Greenville
Boliek, W. P. (4 EE)	Centra
Bolt, F. (1 E-EE)	Gray Court
Bond, L. P. (2 ME)	Columbia
Boroni, H. L. (4 A&S)	Brooklyn, N. Y.
Boswell, D. F. (2 TM)	Manning
Boulware, M. D. (2 A-AH)	Anderson
Bowen, R. A. (2 TE)	Belton
Bowen, R. E. (3 TM)	Greenville

Name and Course	Address
Bowen, R. H. (4 A&S)	Greenville
Bowen, R. R. (3 TE)	Greenville
Bowen, W. K. (4 EE)	Piedmont
Boyd, H. S. (4 TM)	Laurens
Boyd, W. L. (2 TM)	York
Boykin, J. D. (4 A&S)	Georgetown
Boykin, W. B. S. (3 Agron)	Boykin
Boylston, R. E. (PG)	Charleston
Brackett, G. D. (4 TE)	Rock Hill
Bradfield, J. W. (4 CE)	Charlotte, N. C.
Bradley, C. G. (3 Ag En)	Forest City, N. C.
Branham, R. A. (2 Ind Phys)	Atlanta, Ga.
Brett, D. (2 TM)	New York, N. Y.
Bridwell, M. N. (4 TM)	Greenville
Bright, H. E. (4 TM)	Radford, Va.
Brinson, A. D. (3 Ind Phys)	Wilmington, N. C.
Brisendine, R. S. (4 TE)	East Point, Ga.
Broadway, J. R. (4 Ag En)	Summerton
Brogdon, J. T. (2 A-Agron)	Manning
Brooks, J. T. (1 Ed)	Fountain Inn
Brown, J. A. (4 Ch-En)	Greenville
Brown, R. C. (1 VAE)	Townville
Bruner, G. E. (S)	Clemson
Brutcher, C. K. (3 Pre-Med)	Savannah, Ga.
Bryan, W. J. (4 AH)	Walterboro
Bryant, H. O. (2 TM)	Liberty
Bryant, I. W. (3 TM)	Inman
Buchanan, K. H. (4 TE)	Anderson
Bull, J. H. (1 TM)	Taylors
Bunger, A. W. (3 ME)	Savannah, Ga.
Burch, M. B. (2 A&S)	Florence
Burdette, J. S. (4 CE)	Greenville
Burley, M. M. (3 Ind Ed)	Spartanburg
Burnett, W. C. (4 TM)	Johnston
Burnett, W. E. (3 TM)	Greelyville
Burns, W. C. (3 AH)	Georgetown
Busby, A. F. (4 Dairy)	Anderson
Bussey, J. C. (2 Ag En)	Hagood
Butts, W. W. (3 Hort)	Walhalla
Byars, R. P. (3 Ed)	Gaffney
Calhoun, A. P. (3 A&S)	Savannah, Ga.
Calvert, L. (4 TM)	Mount Holly, N. C.
Cameron, E. L. (1 E-EE)	Saluda
Campbell, B. C. (2 EE)	Greenville
Campbell, J. B. (3 EE)	Inman
Campbell, Wallace L. (3 TM)	Edgefield
Campbell, William L. (4 TM)	Greenville
Canfield, J. F. (4 Ag En)	Greenwood
Cannon, C. B. (4 EE)	Laurens
Cannon, L. R. (4 A&S)	Anderson
Cantrell, J. L. (4 TM)	Fort Mill
Caphton, D. L. (2 ME)*	Savannah, Ga.
Carmichael, C. F. (2 VAE)	Fork
Carcichael, K. S. (2 TM)	Lynchburg
Carr, W. B. (3 CE)	Laurens
Carr, W. G. (3 Ch En)	Union
Carroll, J. H. (4 TE)	Anderson
Carson, C. E. (3 TM)	Union
Carson, L. A. (PG)	Orangeburg
Carter, J. H. (4 A&S)	Georgetown
Carter, W. C. (4 VAE)	Catawba
Carver, A. B. (4 EE)	Greenville
Carwile, J. P. (4 TM)	Abbeville
Cash, W. G. (3 TM)	Taylors
Cason, C. R. (1 E-ME)	Walhalla
Cassell, J. H. (3 Arch)	Pickens
Castelloe, J. B. (2 ME)	Greenville
Castles, D. F. (4 EE)	Winnsboro
Castles, T. P. (2 A-AH)	Great Falls
Cates, J. W. (3 ME)	Seneca
Cauble, R. (S)	Salisbury, N. C.
Caudill, V. S. (1 A)	Star, N. C.
Chalker, A. L. (4 ME)	South Orange, N. J.
Chambers, H. C. (4 CE)	Beaufort
Chambers, J. E. (3 ME)	Piedmont
Chaplin, H. M. (3 Agron)	Neeses
Chapman, P. M. (1 Pre-Med)*	Anderson
Childress, J. R. (3 VAE)	Six Mile
Chovan, T. M. (4 EE & Ind Phys)	Bethlehem, Pa.
Christenbury, J. W. (3 TM)	Charlotte, N. C.
Christopher, J. B. (2 CE)	Central
Clanton, J. C. (3 Pre-Med)	Charlotte, N. C.
Clanton, R. M. (4 A&S)	Darlington
Clapp, J. C. (2 ME)	St. Petersburg, Fla.
Clardy, W. W. (3 Ind Ed)	Arlington, Va.
Clark, B. D. (4 VAE)	Johnston
Clark, G. L. (3 Ind. Ed)	Johnston
Clarke, L. W. (4 AH)	Pineville
Clarkin, J. R. (3 Ar En)	Charleston
Cleveland, J. O. (4 TM)	Anderson
Clinkscales, M. M. (4 TM)	Abbeville
Coarsey, R. W. (1 A-Dairy)*	Trion, Ga.
Cobb, J. C. (3 TM)	Charlotte, N. C.
Cobb, T. E. (2 TE)	Lyman
Cobb, W. H. (2 EE)	Columbia
Cochran, W. R. (4 Ind Ed)	Seneca
Cochran, W. T. (3 TE)	Greenville
Coleman, C. E. (2 Chem)	Brunswick, Ga.
Coleman, P. W. (1 A-Dairy)*	Mountville
Coleman, T. E. (3 CE)	Mountville
Collings, T. A. (4 Pre-Med)	Clemson
Collins, M. A. (2 Ind Ed)	Walhalla
Collins, W. J. (1 TM)	Westminster
Connelly, G. W. (4 EE)	Newberry
Connolly, H. M. (4 TM)	Pendleton
Connor, T. M. (4 Ag En & CE)	Bowman
Conway, J. W. (3 EE)	Somerville, Mass.
Cook, J. H. (4 TM)	Travelers Rest
Cook, J. W. (1 E-EE)	Easley
Cook, L. H. (4 Ind Phys)	Bishopville
Cooley, V. (1 A&S)*	Williamston
Costello, W. V. (3 A&S)	Georgetown
Cothran, O. R. (4 VAE)	Pickens
Courtney, R. O. (3 CE)	Johnston
Covington, D. H. (2 Pre-Med)	Burnsville, N. C.
Coward, V. L. (1 E-ME)*	Calhoun Falls
Cox, A. B. (2 TM)	Denmark
Cox, F. L. (4 AH)	Decatur, Ga.
Cox, G. H. (3 Ind Ed)	Easley
Cox, H. S. (1 Arch)	Belton
Cox, J. M. (3 Arch)	Kingsport, Tenn.
Craig, J. T. (3 Ag En)	Pickens
Crandall, G. O. (1 A-Hort)	Clemson
Crapse, H. M. (4 ME)	Estill
Crawford, D. E. (SG)	Clemson
Crawford, G. E. (1 Arch)	Gray Court
Creech, E. R. (2 TM)	Spartanburg
Creighton, C. S. (4 Ent)	N. Augusta
Creighton, J. H. (1 E-ME)*	Spartanburg
Crim, J. E. (3 EE)	Greer
Cromer, B. A. (2 TM)	Anderson
Cromer, J. R. (1 Ed)	Newberry
Crowe, R. N. (3 Arch)	Greenwood
Crump, E. L. (3 ME)	Newberry
Culp, R. B. (3 VAE)	Waxhaw, N. C.
Culp, T. W. (3 Agron)	Fort Mill
Cunningham, K. S. (1 E-EE)*	Arlington, Va.
Cureton, F. M. (4 TM)	Union
Cureton, J. C. (2 TM)	Clemson
Currie, L. G. (2 A-Ag Ec)	Clio
Curry, J. M. (3 Agron)	Gray Court
Dabney, W. D. (2 A-AH)	Lancaster
Daniel, G. G. (2 Ind Ed)	North Augusta
Danner, O. F. (4 A&S)	Jonesville

Name and Course	Address
Davenport, J. A. (3 ME)	Germantown, Tenn.
Davis, B. B. (1 E-TE)*	Cowpens
Davis, B. W. (3 TM)	Greenville
Davis, C. E. (3 TM)	Greenwood
Davis, J. M. (3 VAE)	Norway
Davis, J. R. (1 Pre-Med)*	Ridge Spring
Davis, M. V. (4 ME)	Wedgefield
Davis, P. C. (2 CE)	Greer
Davis, R. E. (3 TM)	Fountain Inn
Davis, R. F. (1 E-ME)*	Union
Davis, R. S. (4 TM)	South Boston, Va.
Day, J. E. (2 Ind Ed)	Chester
Deason, J. T. (3 TM)	McCormick
Debski, J. Z. (1 A-Poul)	Irvington, N. J.
Deering, G. F. (1 E-ME)	Anderson
DeLoach, R. L. (4 ME)	Beaufort
Dempsey, G. (2 Chem)	Seneca
Deviney, W. E. (4 Ag Ec)	Rutherfordton, N. C.
Dewberry, W. E. (2 TM)	Elberton, Ga.
DeYoung, L. B. (4 Hort)	Clemson
Diamond, G. (3 TM)	Taunton, Mass.
Dickert, H. D. (2 EE)	Orangeburg
Dilfield, R. E. (4 Arch)	Newport News, Va.
Di Marzo, J. M. (2 CE)	West Orange, N. J.
DiMucci, D. M. (1 Ed)	McKeesport, Pa.
Dixon, E. C. (1 TM)	Darlington
Dixon, L. C. (1 TM)	Union
Dixon, W. H. (3 TM)	Brevard, N. C.
Dobbins, J. P. (4 Ind Phys)	Spartanburg
Dobson, J. W. (4 Agron)	Central
Dobson, R. T. (2 TM)	Central
Donegan, T. D. (4 A&S)	New York, N. Y.
Douglass, G. G. (4 TM)	Winnsboro
Drake, B. F. (4 Agron)	Pelzer
Drake, O. K. (3 TM)	McCormick
Drake, W. T. (2 ME)*	Travelers Rest
DuBose, C. R. (3 Ind Ed)	Ellenton
Duckworth, R. J. (4 TM)	Westminster
Duckworth, R. M. (3 Ar En)	Westminster
Dugan, J. D. (4 ME)	Easley
Dukes, D. E. (4 Ind Ed)	Orangeburg
Dumas, A. L. (3 TE)	Rockmart, Ga.
Duncan, B. A. (3 TM)	Six Mile
Duncan, H. H. (2 EE)	Anderson
Duncan, R. M. (3 ME)	Union
Dunn, D. L. (3 EE)	Warrenville
Dunn, J. C. (2 TM)	Central
Dunn, O. H. (1 TM)	Birmingham, Ala.
Eakin, J. R. (1 Ed)*	Stone Mountain, Ga.
Earle, G. C. (2 ME)	Washington, D. C.
Earle, J. R. (PG)	Walhalla
Earnhardt, R. A. (3 TM)	Spartanburg
Easterling, J. L. (2 A-Agron)	Hartsville
Eberhart, H. C. (4 ME)	Anderson
Edney, E. P. (4 Ar En)	Charleston
Edwards, L. L. (4 Ag En)	Marion
Ehrhardt, H. S. (2 Pre-Med)	Ehrhardt
Ellenburg, G. F. (2 A&S)*	Easley
Elliott, W. H. (2 A-AH)	Summerville
Ellis, D. H. (2 EE)	Spartanburg
Ellison, R. C. (4 TC)	Lancaster
Elrod, B. R. (1 Pre-Med)*	Piedmont
Elrod, R. F. (2 A-Ag Ec)	Piedmont
Epps, J. F. (1 TM)*	Walhalla
Eskew, T. E. (4 TE)	Whitmire
Eskridge, K. C. (3 AH)	Cheraw
Eubanks, W. S. (3 AH)	Anderson
Evans, D. L. (3 AH)	Holly Hill
Evans, J. G. (2 Pre-Med)	Pendleton
Evans, J. R. (4 ME)	Anderson
Evans, J. W. (4 TM)	Pinewood
Ezell, B. B. (PG Arch)	Spartanburg
Faschin, G. J. (3 A&S)	Anderson
Fair, J. H. (4 A&S)	St. Matthews
Fairey, T. B. (4 EE)	Orangeburg
Falkner, I. L. (4 Ind Phys)	Charlotte, N. C.
Fanning, M. H. (4 VAE)	Newberry
Farmer, K. B. (3 Ind Ed)	Tomotla, N. C.
Farriss, C. W. (4 ME)	Charlotte, N. C.
Faucett, J. W. (2 Pre-Med)	Union
Faulkenberry, F. W. (3 ME)	Chester
Faulkner, H. G. (2 VAE)	Clover
Fellers, Q. H. (4 TM)	Prosperity
Fellers, R. H. (4 Arch)	Newberry
Fendley, J. E. (4 TM)	Westminster
Fennell, J. E. (4 EE)	Hardeeville
Ferguson, R. W. (3 CE)	Belmont, N. C.
Ferguson, T. C. (3 EE)	Greenville
Ferguson, T. M. (4 A&S)	York
Few, B. E. (2 ME)	Pickens
Finley, G. L. (4 EE)	Anderson
Fleming, G. R. (4 TM)	Chester
Florence, O. G. (4 ME)	Wrens, Ga
Flowers, J. P. (4 Ag En)	Darlington
Floyd, G. O. (1 E-ME)	McBee
Folk, E. W. (2 Ch En)	Simpsonville
Folk, J. M. (2 TM)	Bamberg
Ford, J. M. (S)	Clemson
Forlidas, N. J. (1 E-TE)	Spartanburg
Foster, W. H. (1 E-CE)	Union
Fowler, R. D. (4 TM)	Anderson
Fowler, William C. (2 Arch)	Mullins
Fowler, Willis C. (3 Ar En)	Coumbia
Foy, H. B. (4 Arch)	Waynesville, N. C.
Fraissor, J. (2 EE)	Whitmire
Franklin, M. S. (2 TM)	Aiken
Franks, H. L. (3 Ed)	Greenville
Freeman, C. B. (1 Ind Phys)	Westminster
Freudenberger, O. L. (1 E-CE)	Tampa, Fla.
Friar, J. S. (2 ME)	Montmorenci
Friddle, W. J. (2TM)*	Greenville
Fripp, W. E. (4 Ar En)	Florence
Fulmer, J. S. (3 A&S)	Greenville
Funchess, M. D. (4 Ag En)	Rowesville
Furr, E. F. (4 Pre-Med)	Rock Hill
Furse, G. H. (3 VAE)	Summerton
Gaddis, R. S. (3 Ar En)	Taylors
Gaddy, J. D. (4 TM)	McColl
Gage, R. (4 TM)	Anderson
Gailey, C. W. (3 TM)	Anderson
Gaillard, J. W. (4 TM)	Walhalla
Gaillard, W. H. D. (3 EE)	Florence
Gaines, H. P. (4 TM)	Honea Path
Gaines, J. C. (2 ME)	Liberty
Gaines, J. O. (3 Agron)	Townville
Gaines, J. R. (4 TM)	Liberty
Gamble, W. A. (4 VAE)	Charleston
Gambrell, H. L. (2 TM)	Pendleton
Gandy, V. (2 A-AH)	Florence
Gardner, R. B. (1 A)*	Chesterfield
Garner, E. A. (2 A-Agron)	Ashburn, Ga.
Garren, C. H. (3 TM)	Calhoun, Ga.
Garrett, O. S. (2 Ind Ed)	Greenville
Garrison, E. W. (2 TM)	Sandy Springs
Garrison, W. H. (3 Arch)	Columbia
Gasaway, G. P. (4 TM)	Jefferson, Ga.
Gaston, G. L. (2 Arch)	Blacksburg
Gatlin, K. A. (3 A&S)	Newberry
Genet, G. T. P. (3 TM)	Georgetown
Gettys, R. A. (4 TE)	Rock Hill
Giddings, M. E. (4 CE)	Greenwood
Gillespie, R. L. (3 Pre-Med)	Tams, W. Va.
Gilmore, W. F. (4 Ind Ed)	Santuck
Gilpin, A. T. (4 Dairy)	Chester
Gilroy, P. W. (4 Pre-Med)	Greenville
Ginn, J. W. (4 AH)	Charleston
Godfrey, C. H. (3 ME)	Florence

Name and Course	Address
Godwin, J. F. (2 A-AH)	Coward
Godwin, J. L. (1 Pre-Med)*	Summerton
Gooch, F. M. (4 Ar En)	Spartanburg
Gooding, W. H. (1 TM)	North Charleston
Goodman, J. W. (4 Ag En)	Mountville
Gordon, J. C. (1 E-EE)	Liberty
Gough, S. W. (2 Ind Ed)	Chester
Graham, A. T. (2 TM)	Scranton
Graham, B. M. (2 TM)	Rock Hill
Graham, R. B. (2 TM)	Anderson
Gramling, J. M. (4 AH)	Orangeburg
Grant, W. E. (S)	Chester
Graves, C. L. (2 Arch)	Bluffton
Green, E. H. (4 VAE)	Dyersburg, Tenn.
Greene, C. R. (4 TE)	Newry
Greer, F. (2 ME)	Duncan
Greer, J. M. (2 VAE)	Westminster
Gregg, J. M. (1 TM)	Hemingway
Gregg, R. L. (3 TM)	Asheville, N. C.
Gregg, W. B. (4 Ind Ed)	Kingstree
Gregory, W. C. (4 Ar En)	Chesnee
Griffin, B. L. (3 EE)	Central
Griffith, W. A. (2 TM)	Lancaster
Grubbs, R. J. (3 CE)	Westminster
Gulledge, L. M. (3 Ag Ec)	Wedgefield
Gwinn, N. S. (4 TE)	Woodruff
Haddon, H. A. (1 TM)	Rock Hill
Hadsell, W. V. (4 CE)	Savannah, Ga.
Hagan, J. D. (1 TM)	Union
Haigler, D. G. (4 AH)	Cameron
Haigler, E. V. (4 Agron)	Cameron
Hair, A. B. (1 TM)*	Williamston
Hair, C. A. (4 Ar En)	Fairfax
Hall, C. E. (2 EE)	Anderson
Hall, F. N. (4 TE)	Spartanburg
Hall, H. T. (3 VAE)	Bethune
Hall, T. C. (3 VAE)	Mount Ulla, N. C.
Hall, W. E. (1 A&S)	Anderson
Hamilton, L. C. (4 Hort)	Easley
Hamilton, W. R. (2 CE)	Durham, N. C.
Hammett, W. K. (3 TC)	Inman
Hammond, A. F. (4 EE)	Florence
Hammond, G. F. (3 VAE)	Seneca
Hammond, H. D. (4 Ag Ec)	Seneca
Hammond, O. P. (3 AH)	Fair Bluff, N. C.
Hampton, C. O. (2 ME)	Lockhart
Hamrick, R. Y. (4 TE)	Boiling Springs, N. C.
Hamrick, S. L. (3 TM)	Wattsville
Hamrick, W. L. (3 TM)	Gaffney
Hancock, A. B. (2 TM)	Ruby
Hanks, F. L. (1 E-EE)*	Anderson
Hardaway, H. M. (4 CE)	Dillon
Hardee, H. B. (2 A-Ag Ec)	Loris
Hardee, O. L. (2 VAE)	Andrews
Hardin, F. L. (4 A&S)	Chester
Hardwick, J. C. (2 A-AH)	Conway
Hardwick, J. H. (4 Agron)	Conway
Hardwick, L. D. (4 Ind Ed)	Rock Hill
Hare, W. W. (4 Ag En)	Madison
Harley, J. P. (3 Agron)	Trenton
Harllee, A. H. (1 E-ME)	Florence
Harper, F. G. (PG)	Anderson
Harper, J. G. (2 A&S)	Anderson
Harper, W. W. (3 TE)	Seneca
Harrill, B. H. (3 ME)	Bennettsville
Harris, D. D. (4 ME)	Laurens
Harris, G. S. (4 CE)	Daytona Beach, Fla.
Harris, H. S. (2 CE)	Union
Harris, J. E. (2 TE)	Greenwood
Harris, W. A. (2 VAE)	Seneca
Harrison, A. C. (4 TM)	Spartanburg
Harrison, H. H. (3 Ind Ed)	Pendleton
Harrison, J. A. (4 ME)	Clemson
Harrison, M. M. (4 VAE)	Pelzer
Hart, J. C. (4 Dairy)	Greenville
Hart, J. D. (4 EE)	Kelton
Hart, K. R. (1 Chem)*	Rock Hill
Hart, R. M. (4 ME)	Tournapull, Ga.
Hastings, J. W. (4 TM)	Chester
Hastings, S. W. (3 Hort)	Norfolk, Va.
Hatcher, C. R. (1 E-EE)	Graniteville
Hawkins, D. A. (2 Ed)*	Atlanta, Ga.
Hay, W. D. (2 EE)	Florence
Hayes, G. (2 ME)	Ellenton
Hayes, R. D. (2 VAE)	Pickens
Hayes, W. C. (2 TM)	Central
Haynes, G. C. (4 CE)	Cliffside, N. C.
Hayslip, C. C. (4 ME)	Spartanburg
Hazle, J. D. (4 TE)	Woodruff
Head, C. M. (4 CE)	Greenville
Healan, R. W. (4 CE)	Rock Hill
Heape, C. (1 VAE)	Luray
Hedden, G. C. (4 Arch)	Badin, N. C.
Hedgepath, H. D. (3 Arch)	Columbia
Heins, C. H. (3 ME)	Charleston
Hendricks, D. (3 AH)	Liberty
Heniford, D. O. (3 Ag En)	Loris
Henke, R. A. (3 ME)	Rye, N. Y.
Herbert, A. M. (1 E-EE)*	Orangeburg
Herlong, B. H. (4 Ag En)	Saluda
Herlong, D. P. (2 A&S)	Rock Hill
Hester, F. T. (1 TM)	Greenville
Heyd, R. L. (4 EE)	New York, N. Y.
Hicks, B. D. (3 TM)	Fort Mill
Hicks, R. G. (4 ME)	Spartanburg
Hildebrand, E. J. (2 ME)	Washington, D. C.
Hill, F. D. (4 TM)	Spartanburg
Hill, Jack D. (2 ME)	Greenville
Hill, James D. (4 ME)	Sanford, N. C.
Hill, R. L. (3 EE)	Anderson
Hiller, R. E. (4 Ind Phys)	Greenville
Hinson, J. F. (2 ME)	Lynchburg
Hittinger, E. M. (2 EE)	Weatherly, Pa.
Hodges, W. A. (4 Pre-Med)	Mullins
Hoffmann, R. C. (4 TM)	Fanwood, N. J.
Hoffmann, R. M. (4 Pre-Med)	Fountain Inn
Hogan, C. S. (4 EE)	North Augusta
Holcombe, C. W. (4 TE)	Greenville
Holder, R. (4 Dairy)	Union
Holladay, C. H. (4 Ind Ed)	Sumter
Holland, G. H. (3 AH)	Fountain Inn
Holland, J. C. (2 ME)	Moiresboro, N. C.
Holley, E. E. (2 A-AH)	Aiken
Holley, R. H. (4 Agron)	Aiken
Holliday, C. A. (3 VAE)	Six Mile
Holliday, W. T. (1 E-TE)	Greer
Hollis, C. E. (3 TM)	Central
Hollis, J. T. (3 Arch)	Union
Holroyd, R. F. (3 A&S)	Anderson
Holshouser, W. A. (4 A&S)	Erwin, Tenn.
Honeycutt, R. G. (3 TC)	Marion, N. C.
Hood, R. W. (4 EE)	Greenville
Hoover, J. A. (2 ME)	North Charleston
Hopkins, A. R. (4 Ent)	Pendleton
Horne, C. C. (3 EE)	Charleston
Hornick, F. J. (2 VAE)	Fair Play
Horton, E. M. (4 ME)	Spartanburg
Horton, S. R. (2 TM)	Rock Hill
Hough, J. T. (2 ME)	Charlotte, N. C.
Houston, W. M. (3 Ag En & CE)	Easley
Howard, A. M. (3 A&S)	Greenville
Howard, C. C. (4 VAE)	Pickens
Howell, N. A. (4 TE)	College Park, Ga.
Howle, D. M. (3 Ag En)	Darlington
Hucks, C. B. (4 EE)	Savannah, Ga.
Hucks, C. C. (2 Ag En)	Aynor
Hudson, P. B. (4 TM)	West Union
Hudson, R. W. (4 EE)	Sumter

Name and Course	Address
Huff, C. E. (3 TM)	Woodruff
Hughes, F. E. (3 TM)	Charlotte, N. C.
Hughey, H. D. (4 TE)	Greer
Huiet, G. E. (PG Arch)	Trenton
Huiet, W. C. (2 VAE)	Johnston
Hunsuck, W. F. (4 ME)	Whitney
Hunter, M. P. (2 A-AH)	Ora
Hyder, A. G. (2 A&S)	Anderson
Hyder, J. D. (2 TM)	Anderson
Hyland, C. M. (3 Arch)	Wollaston, Mass.
Ingle, J. A. (4 TC)	Asheville, N. C.
Ingram, H. W. (2 ME)	Rockingham, N. C.
Inman, C. M. (3 AH)	York
Isaacs, O. F. (1 Ind Ed)	Chester
Ivester, J. M. (3 TM)	Greenville
Jackson, T. F. (3 AH)	Clover
Jackson, W. F. (2 Arch)	Rock Hill
Jacobs, R. F. (3 ME)	West Columbia
Jacques, J. R. (S)	Ware Shoals
Jaffe, S. (1 E-EE)	Charleston
James, J. J. (4 TM)	Pendleton
Jameson, J. M. (1 A)	Liberty
Jamison, T. W. (3 EE)	Trenton
Jeffords, L. G. (4 Ag En)	Timmonsville
Jeffords, T. H. (2 A-AH)	Florence
Jenkins, A. C. (3 Agron)	Clemson
Johns, E. M. (4 TM)	Spartanburg
Johnson, C. L. (3 Arch)	Sumter
Johnson, J. A. (4 TM)	Warrenville
Johnson, J. E. (3 ME)	Reidsville, N. C.
Johnston, T. E. (4 VAE)	Moncks Corner
Jolly, J. (3 ME)	Gaffney
Jones, C. L. (2 A-AH)	Ridgeway
Jones, D. M. (2 A-Agron)	Glenn Springs
Jones, E. H. (4 Ind Ed)	Great Falls
Jones, J. D. (4 ME)	Marietta
Jones, M. W. (S)	Spartanburg
Jones, R. L. (2 ME)	Pauline
Jones, T. O. (3 TE)	Newberry
Jones, T. W. (1 E)*	Bishopville
Jones, W. A. (3 Ag En)	Neeses
Jordan, A. B. (4 Ind Ed)	Bishopville
Josey, W. E. (4 TE)	Anderson
Joyce. H. S. (3 Ag En)	Stoneville, N. C.
Joyner, R. S. (PG)	Ward
Julien, R. A. (4 A&S)	Greenwood
Karst, W. B. (3 ME)	Greenville
Kates, G. S. (3 TE)	Anderson
Kay, F. F. (4 Ar En)	Charlotte, N. C.
Kea, H. M. (2 TM)	Rocky Ford, Ga.
Kearse, C. M. (1 Pre-For)	Olar
Keasler, R. L. (2 TM)	Westminster
Keasler, W. B. (4 EE)	Inman
Keith, T. C. (3 Hort)	Pickens
Kelly, James W. (4 Arch)	Anderson
Kelly, John W. (3 Arch)	Central
Kelsey, W. B. (4 TC)	Chester
Kendrick, T. B. (3 Arch)	Spartanburg
Kennedy, C. W. (1 E-TE)	Greenville
Kennemore, C. M. (4 A&S)	Easley
Kennette, G. L. (2 TM)	Wellford
Kennette, W. H. (3 TM)	Wellford
Kincaid, W. L. (SG)	Salisbury, N. C.
King, E. L. (4 AH)	Chesterfield
King, I. D. (4 CE)	Gray Court
King, J. C. (3 Ag En)	McBee
King, J. L. (1 A-Agron)	Greenville
King, L. O. (2 Ar En)	Anderson
King, M. J. (2 A&S)	Belton
King, R. L. (1 TM)	Abbeville
Kirby, W. M. (3 TM)	Laurens
Kizer, L. E. (3 Agron)	Florence
Knight, E. L. (4 Ag Ec)	Andrews
Knight, E. R. (2 Ag En)	Cheraw
Knight, L. A. (3 TM)	Greenville
Koon, J. A. (2 TM)	Whitmire
Labra, G. P. (3 Ar En)	Brooklyn, N. Y.
Lachicotte, G. P. (4 AH)	Pawleys Island
Lachicotte, W. F. (3 AH)	Pawleys Island
Laffoday, W. C. (3 A&S)	Lamar
La Frage, J. L. (4 VAE)	Fort Mill
Lamoreux, C. O. (4 TE)	Spartanburg
Langford, T. H. (3 A&S)	Ridgeland
Langley, J. F. (4 Ar En)	Conway
Langston, C. L. (3 TM)	Darlington
Lark, H. J. (4 EE)	Easley
Latham, D. L. (4 TM)	Iva
Lathan, C. H. (4 VAE)	Lowrys
Lawrence, R. T. (2 Arch)	Memphis, Tenn.
Lay, C. W. (1 E-Ag En)	West Union
Layton, R. D. (1 TM)	Anderson
Leavy, C. F. (3 CE)	Brunswick, Ga.
Lee, D. L. (4 TE)	Fort Mill
Lee, H. E. (4 EE)	Hampton, Va.
Lee, W. A. (4 CE)	Elberton, Ga.
LeFevre, L. B. (4 ME)	Augusta, Ga.
Lefort, H. G. (2 EE)	Upper Marlboro, Md.
Leiby, R. G. (4 ME)	Sumter
Lemmon, O. C. (1 A-AH)	Latta
LeRoy, J. L. (3 Pre-For)	Troy
Levenson, B. (4 ME)	Brooklyn, N. Y.
Lever, M. D. (4 AH)	McConnellsville
Lewis, D. B. (2 A-AH)	Mullins
Lewis, W. H. (3 TM)	Pickens
Liebenrood, A. E. (2 A-AH)	Mt. Pleasant
Ligon, H. B. (4 Pre-Med)	Iva
Lindsay, J. B. (3 Arch)	Clemson
Lindsay, R. J. (2 TM)	Clemson
Lindstedt, G. W. (2 A&S)	Holly Hill
Lineberger, T. E. (4 Ind Ed)	Greenville
Lipton, J. J. (3 Pre-Med)	Beaufort
Liston, J. W. (2 A&S)	Smoaks
Little, L. W. (4 VAE)	Newberry
Littlejohn, J. J. (4 Chem)	Greenwood
Littlejohn, J. N. (2 A-Hort)	Sumter
Littlejohn, L. S. (1 VAE)	Greenville
Livingston, L. S. (4 Ag En)	North
Livingston, O. W. (2 TM)	Columbia
Lockaby, R. H. (3 Ed)	East Flat Rock, N. C.
Locke, J. D. (4 CE)	Taylors
Lockman. W. D. (2 ME)	Chesnee
Long, C. W. (2 TE)	Conway
Long, R. O. (2 CE)	Walhalla
Love, H. G. (PG Arch)	Columbia
Love, R. L. (3 VAE)	Hendersonville, N. C.
Lowder, H. B. (3 Ind Ed)	Albemarle, N. C.
Lowe, A. H. (4 TM)	Warrenville
Lunsford, P. R. (4 TM)	Charlotte, N. C.
Lupo, G. M. (4 TE)	Charlotte, N. C.
Lusk, J. A. (3 Arch)	Johnson City, Tenn.
Lusk, L. J. (1 TM)	Greenville
Lynn, W. W. (3 Agron)	Filbert
Lyons, J. L. (3 TM)	Beaufort
Lytle, D. G. (4 EE)	New York, N. Y.
McBride, L. M. (3 EE)	Parkersburg, N. C.
McCall, B. G. (4 A&S)	Ellerbe, N. C.
McCall, P. L. (1 A-Ag Ec)*	Hartsville
McCants, R. S. (4 AH)	Orangeburg
McClain, J. B. (3 TE)	Inman
McClain, K. H. (2 TM)	Anderson
McClain, W. F. (4 ME)	Honea Path
McClamroch, W. C. (4 Arch)	Pascagoula, Miss.
McClure, T. G. (4 TM)	Anderson
McCommas, J. A. (2 A-AH)*	Elizabethtown, N. C.
McConnell, F. S. (3 Ag Ec)	Seneca
McConnell, H. E. (2 EE)	Piedmont

Name and Course	Address
McConnell, J. H. (4 Ind Ed)	Anderson
McCormick, L. S. (1 E-EE)	Orangeburg
McCoy, B. J. (PG)	Greenville
McCoy, L. T. (3 Arch)	Belton
McCreight, C. R. (2 Arch)	Columbia
McCulloch, J. I. (2 TM)	Gaffney
McDaniel, B. F. (4 ME)	Pickens
McDonald, H. C. (3 Arch)	Brevard, N. C.
McDonald, H. M. (2 A-Agron)	Hartsville
McDonald, W. A. (3 Arch)	Johnson City, Tenn.
McElveen, C. D. (4 AH)	Columbia
McElveen, J. D. (2 A-AH)	Lake City
McElveen, M. F. (1 VAE)	Florence
McFalls, D. L. (3 Ind Phys)	Rutherfordton, N. C.
McGinty, R. A. (PG)	Clemson
McGuire, H. N. (3 TC)	Clemson
McGuirt, H. V. (4 TM)	Fort Mill
McKee, J. L. (3 Ent)	Chester
McKenzie, G. S. (4 VAE)	Mullins
McKeown, H. A. (1 TM)	Chester
McKinney, R. B. (2 TM)	Pickens
McKinney, S. J. (1 E-ME)*	Greenville
McLain, J. R. (4 VAE)	Chesterfield
McLean, N. M. (2 A-AH)	Orangeburg
McLendon, C. R. (2 A&S)	Columbus, Ga.
McMillan, T. W. (2 TM)	Central
McSwiney, T. L. (2 ME)	Jacksonville, Fla.
Machen, R. H. (3 TM)	Greenville
Mack, J. H. (3 Arch)	Garnett
Mack, W. C. (2 ME)	Garnett
Maddox, C. J. (3 AH)	Gaffney
Maddox, H. M. (4 A&S)	Easley
Magruder, L. M. (3 A&S)	Sarasota, Fla.
Mahaffee, J. W. (4 AH)	Gaffney
Maner, R. P. (1 E-ME)	Bamberg
Mangan, D. J. (4 ME)	Springfield, Mo.
Mann, C. L. (1 Arch)	Winnsboro
Manning, W. M. (3 Agron)	Columbia
Mappus, E. R. (4 ME)	Naval Base
Marthers, W. C. (2 A-AH)	Winnsboro
Martin, C. H. (4 ME)	Aiken
Martin, E. E. (2 A&S)	Greenwood
Martin, E. H. (4 AH)	Conway
Mason, G. E. (4 VAE)	Westminster
Mason, W. E. (2 TM)	Pacolet Mills
Mauldin, E. L. (1 A&S)	Easley
Mauldin, J. E. (3 CE)	Anderson
Mauldin, W. A. (3 CE)	Anderson
Maxfield, B. G. (3 AH)	Hodges
May, D. S. (4 A&S)	Calhoun Falls
Mays, K. W. (1 A&S)	Columbia
Mays, W. M. (1 TM)	Walhalla
Mayson, J. M. (2 VAE)	McCormick
Meadows, H. F. (4 Agron)	Woodruff
Meeks, C. D. (PG)	Clemson
Melchers, J. T. (4 EE)	Mt. Pleasant
Melnyk, W. G. (3 Ar En)	Brooklyn, N. Y.
Menendez, R. I. (2 ME)	Charleston
Meredith, J. R. (3 VAE)	Townville
Metcalf, J. Q. (4 EE)	Greenville
Metts, W. C. (4 VAE)	Brookings, S. Dak.
Metz, W. W. (3 TM)	Iva
Michael, M. G. (2 TC)	Linwood, N. C.
Mickle, H. L. (4 TM)	Rock Hill
Miller, B. M. (3 Ind Ed)	Liberty
Miller, C. L. (4 TM)	Greenville
Miller, D. O. (4 TE)	Chester
Miller, T. D. (4 TM)	Chester
Miller, W. G. (S)	Clemson
Mims, J. A. (2 ME)	Florence
Mims, T. V. (4 TM)	Talladega, Ala.
Mitchell, J. B. (4 EE)	Saluda

Name and Course	Address
Mitchell, J. E. (3 Ind Ed)	Augusta, Ga.
Mitchell, W. B. (4 A&S)	Charlotte, N. C.
Mixon, L. C. (3 TM)	Aiken
Mixon, L. J. (1 E-ME)	Williamston
Mize, L. (2 EE)	Walhalla
Moisson, W. C. (4 CE)	Greenville
Montone, N. A. (4 EE)	Westminster
Monts, D. D. (2 A-Agron)	Sandersville, Ga.
Moon, A. B. (4 CE)	Columbus, Ga.
Moore, E. W. (3 Ent)	Westminster
Moore, J. T. (1 TM)	Inman
Moore, J. W. (1 E-Ag En)*	Columbus, Ga.
Moore, R. T. (4 VAE)	Piedmont
Moorhead, L. J. (2 Ind Ed)	Anderson
Moorhead, L. P. (1 Pre-Med)*	Anderson
Morgan, H. E. (3 Ind Ed)	Salisbury, N. C.
Morgan, M. L. (3 Agron)	Oakboro, N. C.
Morris, A. R. (2 A-AH)	Olar
Morrow, C. B. (4 EE)	Clover
Mosteller, G. W. (4 Ed)	Greer
Muckenfuss, A. A. (2 CE)	Florence
Muldrow, R. W. (2 ME)	Sumter
Mull, M. D. (2 A-Hort)	Anderson
Mullinix, G. A. (2 TM)	Greenville
Munn, N. R. (2 VAE)	Georgetown
Murray, E. S. (1 A&S)*	Cleveland
Murray, J. R. (1 TM)	Summerville
Myers, J. C. (3 TM)	Westminster
Neal, J. L. (4 TC)	Fort Mill
Nelson, C. H. (3 ME)	Westminster
Nelson, K. E. (1 E-EE)	Greenville
Neves, J. A. (4 VAE)	Taylors
New, F. H. M. (1 E-EE)*	Glendale
Newton, D. T. (4 Ind Ed)	Central
Newton, J. B. (2 A-AH)	Myrtle Beach
Nichols, C. M. (2 Ag En)	Leesville
Niver, J. M. (2 TM)	Bluffton
Nix, R. E. (4 EE)	Florence
Nolte, F. E. (2 Ag En)	Charleston
Norton, R. E. (4 Arch)	Florence
Novit, B. J. (3 Ind Ed)	Charleston
Nowell, J. G. (1 TM)	Charleston
Nowell, V. H. (4 Ar En)	Savannah, Ga.
Nuckols, J. N. (2 TM)	Westminster
Nunnery, T. W. (2 EE)	Edgemoor
O'Dell, G. D. (1 A-Dairy)*	Easley
O'Neal, C. A. (2 A-AH)	Blenheim
Ortkiese, L. N. (3 Chem)	New Orleans, La.
Osborne, P. R. (1 TM)	Kingsport, Tenn.
Ott, A. L. (1 Arch)	Columbia
Outz, M. (3 AH)	Fair Play
Owen, B. E. (4 Ind Ed)	Orangeburg
Palmer, N. O. (4 TE)	Norris
Park, G. R. (4 Ag En)	Winnsboro
Parker, C. Y. (3 Arch)	Cruger, Miss.
Parker, J. H. (3 Ind Ed)	Norris
Parker, R. B. (2 TM)	Savannah, Ga.
Parkins, J. A. (2 TM)	Greenville
Parnell, D. E. (4 Ch En)	Anderson
Parnell, J. S. (1 TM)	Ware Shoals
Parrott, C. J. (3 TM)	York
Parsons, B. W. (3 ME)	Rock Hill
Pate, D. D. (4 A&S)	Cassatt
Patrick, L. W. (SG)	Clemson
Patten, M. I. (2 Ind Ed)	Easley
Patterson, C. W. (4 TE)	Spartanburg
Patton, F. J. (4 Ag En)	Pisgah Forest, N. C.
Patton, R. E. (2 TM)	Fountain Inn
Pavia, J. F. (3 EE)	New Brunswick, N. J.
Peebles, D. L. (4 A&S)	Hampton, Va.
Peigler, C. T. (4 ME)	Greenville
Pennell, R. H. (4 CE)	Spartanburg
Peppers, C. H. (2 Pre-Med)	Taylors
Peterman, M. (1 E-EE)	Warner Robins, Ga.

Name and Course	Address
Pinson, J. T. (3 ME)	Anderson
Pittman, G. L. (2 A-AH)	Myrtle Beach
Pittman, J. F. (2 A-Ag Ec)	Seneca
Plaxico, D. L. (4 ME)	Blacksburg
Plowden, A. D. (4 ME)	Sumter
Plyler, C. D. (3 Ind Ed)	Lancaster
Poag, W. M. (4 TM)	Joanna
Ponder, W. R. (4 A&S)	Williston
Porcher, F. P. (4 EE)	Charleston
Porter, R. B. (3 CE)	Winnsboro
Porter, V. C. (4 VAE)	Williston
Potter, A. W. (4 CE)	Spartanburg
Poulos, J. T. (4 Ar En)	Spartanburg
Powell, H. B. (4 ME)	Spartanburg
Price, G. R. (3 Arch)	Columbia
Price, J. L. (4 AH)	Gaffney
Pridgeon, H. L. (2 Ar En)	Spartanburg
Prince, E. W. (4 Ag Ec)	Gurley
Prince, R. M. (2 Ag En)	Lynchburg
Prince, W. R. (2 A-AH)	Iva
Pruitt, G. J. (4 TM)	Greer
Pruitt, J. M. (4 Ag En)	Anderson
Pruitt, J. R. (4 TM)	Anderson
Pruitt, L. G. (4 TM)	Anderson
Pruitt, L. H. (3 TM)	Anderson
Pruitt, M. R. (2 TM)	Anderson
Pusser, L. W. (4 TM)	Chesterfield
Putnam, S. R. (PG Arch)	Greenville
Quinn, E. W. (3 Ag En)	Spartanburg
Quinn, J. M. (3 TM)	Inman
Rabon, W. J. (2 Arch)	Marion
Ragsdale, L. M. (1 E-CE)	Honea Path
Raines, H. M. (2 A)	Mountain Rest
Raines, R. M. (2 Arch)	Miami, Fla.
Raines, W. G. (2 TM)*	Greenville
Rainsford, T. H. (4 Dairy)	Edgefield
Ramsey, P. E. (3 VAE)	Gaffney
Reeder, W. T. (3 EE)	Laurens
Reeves, A. N. (3 A&S)	Ravenel
Reeves, E. R. (3 A&S)	Branchville
Reid, H. W. (3 Ind Ed)	Piedmont
Reutershan, H. W. (1 A&S)*	Springfield, N. J.
Reynolds, L. D. (S)	Timmonsville
Reynolds, P. G. (2 Ar En)	Sumter
Rhame, D. D. (2 Chem)	Denmark
Rheney, T. B. (4 TM)	Spartanburg
Rhodes, D. (2 A-Dairy)	Estill
Rhyne, F. L. (4 TM)	Gastonia, N. C.
Rice, J. H. (3 A&S)	Charleston
Rice, M. A. (3 Arch)	Florence
Richardson, B. G. (4 Pre-Med)	Pomaria
Richbourg, J. A. (4 CE)	Summerton
Richbourg, J. B. (4 Pre-Med)	Union
Richey, J. W. (2 TM)	Ware Shoals
Riddle, C. O. (3 CE)	Fountain Inn
Riddle, L. (3 TM)	Greenville
Ridenhour, G. C. (3 TM)	Greenville
Rion, R. G. (1 TC)	Hartsville
Risher, E. D. (3 AH)	Ellenton
Rivera, A. M. (1 E-ME)	Guantanamo, Cuba
Roberts, W. P. (3 Ag Ec)	Lugoff
Robinson, L. H. (S)	Greenville
Roche, J. J. (1 E-TE)*	Sumter
Rochester, D. E. (4 TE)	Walhalla
Rochester, J. R. (3 A&S)	Greenville
Rogers, A. T. (1 TM)*	Easley
Rogers, H. F. (1 A-Dairy)*	Central
Rogers, J. C. (4 CE)	Cowpens
Rogers, R. L. (4 EE)	Charleston
Rogers, S. A. (2 ME)	Mauldin
Rollins, V. A. (1 E-ME)	Greenville
Rollins, W. (2 TM)	Kershaw
Roof, M. L. (3 TM)	Chester
Ross, J. W. (4 Hort)	Greer
Roux, J. A. (1 A-AH)	Spartanburg
Rowe, O. R. (2 ME)	Charlotte, N. C.
Rowland, L. M. (1 TM)	Walhalla
Russo, M. E. (4 CE)	New York, N. Y.
Rutledge, W. T. (4 TC)	Greenville
Rye, C. L. (2 EE)	Columbia
Salley, N. R. (4 Agron)	Salley
Sanders, C. B. (3 TM)	Anderson
Sanders, J. D. (1 E-CE)	Blacksburg
Sanders, K. R. (4 Arch)	Gaffney
Sanders, L. H. (4 Agron)	Union
Sanders, R. M. (1 E-Ag En)	Frogmore
Sanders, S. L. (4 EE)	Naval Base
Sapp, E. F. (4 Ind Phys)	Albany, Ga.
Sarracino, J. J. (1 Ed)	La France
Sarratt, J. H. (3 Agron)	Gaffney
Saunders, C. E. (2 EE)	East Gastonia, N. C.
Schaufelberger, A. H. (2 A&S)*	East Islip, N. Y.
Schlock, A. A. (3 VAE)	Westminster
Schrader, E. D. (3 TM)	Spartanburg
Schrader, M. W. (4 ME)	Spartanburg
Schroder, W. J. (2 TM)	West Union
Schuettler, R. W. (1 TM)	Elizabethton, Tenn.
Scott, E. B. (S)	Clemson
Scott, J. C. (2 TM)	Columbia
Scott, R. B. (3 AH)	York
Seaborn, G. B. (4 EE)	Central
Seaborn, G. W. (4 VAE)	Walhalla
Seabrook, E. M. (4 CE)	Mt. Pleasant
Sears, W. B. (4 TM)	Clemson
Seigler, M. V. (S)*	Walhalla
Sellars, R. (2 EE)	Gaffney
Setzer, J. L. (4 A&S)	Canton, N. C.
Senn, G. A. (2 TM)	Spartanburg
Shadwell, H. C. (4 EE)	Columbia
Shain, C. W. (3 TM)	Paterson, N. J.
Shaw, R. E. (3 TM)	Seneca
Shealy, P. S. (4 A&S)	Batesburg
Shealy, R. N. (2 TM)	Columbia
Shedd, G. R. (2 TM)	Winnsboro
Sheffler, J. H. (3 ME)	Niles, Ohio
Shehan, D. B. (1 E-TE)	Pickens
Shelley, R. (3 VAE)	Nichols
Shirley, J. H. (2 EE)	Gaffney
Shirley, J. L. (4 A&S)	Sandy Springs
Shirley, J. R. (1 TM)	Greenville
Shugart, W. H. (2 VAE)	Sumter
Shuler, J. O. (4 AH)	Holly Hill
Shuler, W. A. (2 Ag En)	Rembert
Sightler, C. W. (4 TM)	Greenville
Sigmon, L. J. (1 TM)	Newton, N. C.
Sikes, B. R. (4 ME)	Spartanburg
Simmons, W. H. (1 Arch)	Long Island City, N. Y.
Simonds, J. D. (4 ME)	Orlando, Fla.
Simpson, D. E. (3 ME)	South Charleston, W. Va.
Simpson, J. I. (4 Ar En)	Piedmont
Simpson, R. E. (3 VAE)	Lancaster
Sims, J. L. (2 A-Hort)	Orangeburg
Sims, R. M. (3 Hort)	Spartanburg
Sinclair, A. R. (2 EE)	Forest Park, Ga.
Skelton, C. (4 TM)	Anderson
Sloan, P. H. (4 A&S)	Anderson
Sloan, W. A. (4 Arch)	Anderson
Slone, A. R. (S)*	Spartanburg
Small, D. E. (2 VAE)*	Davidson, N. C.
Smarr, A. W. (3 Ind Ed)	Hickory Grove
Smith, B. M. (3 TM)	Columbia
Smith, C. B. (3 Arch)	Gaffney
Smith, E. J. (4 TM)	Buffalo

Name and Course	Address
Smith, E. T. (1 Pre-Med)*	Branchville
Smith, H. E. (4 TM)	Dover, N. C.
Smith, H. L. (4 TM)	Conover, N. C.
Smith, I. (S)	Pickens
Smith, J. B. (2 TM)	Florence
Smith, J. E. (1 A&S)	Greenville
Smith, J. G. (3 AH)	Orangeburg
Smith, J. O. (4 CE)	Elberton, Ga.
Smith, J. W. (3 Hort)	Lancaster
Smith, K. (3 EE)	Duncan
Smith, K. B. (3 A&S)	Savannah, Ga.
Smith, R. D. (4 ME)	Belton
Smith, R. E. (2 A-Agron)	Mullins
Smith, W. E. (1 Ar En)	Charleston
Smith, W. W. (3 AH)	Bowman
Snead, J. D. (2 TM)	Seneca
Snipes, J. W. (4 A&S)	Marion
Sofge, J. F. (3 TM)	Graniteville
Southerlin, R. C. (1 A&S)*	Marietta
Sowell, J. B. (3 ME)	Asheville, N. C.
Sperry, C. B. (4 TM)	Spartanburg
Sprouse, E. B. (2 TM)	Travelers Rest
Stallworth, W. H. (4 TM)	Spartanburg
Stamey, J. M. (4 Ag En)	Dewey Rose, Ga.
Stanley, G. F. (1 VAE)	Loris
Stephens, J. H. (2 TM)	Greenville
Stilley, W. A. (1 E-ME)	Conway
Stilwell, J. R. (1 Pre-Med)	Charleston
Stoddard, L. C. (2 VAE)	Fountain Inn
Stokes, A. T. (3 ME)	Greer
Stone, C. B. (3 TM)	Williamston
Stover, F. R. (2 VAE)	Kershaw
Stribling, C. V. (4 A&S)	Seneca
Strickland, C. H. (3 Dairy)	Oakboro, N. C.
Strug, J. P. (4 EE)	Union
Swett, J. A. (1 A-Poul)	Dunbarton
Swittenberg, R. L. (2 A&S)	Anderson
Taber, W. R. (3 ME)	Greenville
Tankersley, C. E. (3 EE)	Augusta, Ga.
Tarrant, W. B. (2 EE)	Columbia
Taylor, B. E. (4 TM)	Greer
Taylor, G. H. (4 Hort)	Gilbert
Taylor, K. Z. (1 E-EE)	Liberty
Taylor, R. F. (2 VAE)	Gilbert
TeBow, J. R. (4 A&S)	Augusta, Ga.
Temple, W. W. (2 TM)	Level Land
Terry, A. M. (3 EE)	Iva
Terry, J. E. (2 VAE)	Iva
Thiele, H. J. (4 EE)	Charleston
Thomas, C. H. (3 Ag En)	Holly Hill
Thomas, H. C. (1 VAE)	Waterloo
Thompson, A. L. (3 Ind Phys)	Anderson
Thompson, C. A. (2 TM)	Georgetown
Thompson, H. H. (2 TM)	North Augusta
Thompson, J. C. (3 TM)	Honea Path
Thompson, W. L. (2 TC)	Honea Path
Thorne, W. C. (4 EE)	Sumter
Tidwell, R. (1 E-CE)	Greenville
Till, C. E. (3 VAE)	Ruffin
Till, H. G. (3 Ag En)	Orangeburg
Tiller, J. W. (2 A-Agron)	Mayesville
Timms, S. M. (4 TE)	Anderson
Tinsley, J. A. (4 Ind Ed)	Easley
Tinsley, S. W. (2 Ag Ec)	Spartanburg
Tobin, H. M. (3 TC)	North Charleston
Todd, J. N. (3 ME)	Washington, D. C.
Todd, R. M. (4 TM)	Anderson
Tompkins, P. P. (3 ME)	Summerville
Toney, C. C. (4 TM)	Richland
Toomey, W. G. (1 E-Ag En)	Mount Holly, N. C.
Trakas, P. N. (4 Pre-Med)	Spartanburg
Tripp, P. D. (2 CE)	Greenville
Trotter, M. (1 TM)	Greenville
Trowell, L. M. (4 AH)	Lena
Turner, A. N. (4 A&S)	Reidsville, N. C.
Turner, T. J. (S)	Laurinburg, N. C.
Turner, T. P. (2 Ar En)	Gaffney
Turner, W. W. (4 Ag En)	Travelers Rest
Tyler, H. K. (1 E-ME)	Hampton, Va.
Van Ham, R. N. (3 TM)	Auburn, Maine
Varner, J. F. (3 Ind Ed)	Ashland, Ga.
Varner, J. R. (3 TM)	Buffalo
Vaughn, W. D. (3 Ar En)	Union
Veal, C. D. (3 ME)	Cedartown, Ga.
Vehorn, B. L. (3 ME)	Boston, Mass.
Vermillion, R. J. (4 VAE)	Ware Shoals
Vernon, R. J. (4 Ind Ed)	Greenville
Vickery, L. L. (1 Pre-Med)	Central
Vinson, J. L. (4 TM)	Union
Wade, R. W. (3 ME)	Greenville
Walker, H. O. (3 Ar En)	Union
Wallace, T. E. (4 Agron)	Bennettsville
Wallace, W. W. (1 TM)*	Seneca
Walpole, J. L. (3 CE)	Frogmore
Walser, J. F. (4 TE)	Salisbury, N. C.
Walters, D. M. (2 CE)	Salisbury, N. C.
Walters, H. R. (1 E-ME)	St. George
Walton, G. T. (4 A&S)	Belton
Walton, W. L. (4 ME)	Ellenton
Ward, R. D. (1 A)	Chester
Ware, C. B. (3 Agron)	Due West
Warman, L. L. (1 A-Ag Ec)	Danville, Ind.
Warren, J. F. (1 E-CE)*	Charlotte, N. C.
Warren, T. A. (4 AH)	Prosperity
Watkins, F. M. (3 EE)	Greenville
Watkins, J. M. (S)	Clemson
Watson, A. W. (4 CE)	Easley
Watson, C. K. (4 Dairy)	Anderson
Watson, H. J. (4 EE)	Anderson
Watt, E. B. (PG Arch)	Hartsville
Watt, F. L. (2 TM)	Pelzer
Watts, A. J. (4 ME)	Mayesville
Way, R. E. (4 ME)	Branchville
Weaver, G. E. (2 A-Hort)	Darlington
Weeks, J. J. (2 ME)	Charlotte, N. C.
Weeks, P. H. (3 Ag En)	Aiken
Weldon, R. D. (2 TM)	Charleston
Welsh, F. M. (PG ME & TE)*	Abbeville
Welsh, W. T. (2 ME)	Anderson
Wenck, F. W. (1 Pre-Med)	Fountain Inn
West, R. K. (3 VAE)	Cameron
Westbrook, R. A. (3 VAE)	Blacksburg
Weston, T. I. (3 ME)	Columbia
Wheless, H. H. (3 Ag En)	Thomaston, Ga.
Whetstone, W. V. (2 TM)	Denmark
Whitaker, C. A. (1 TC)*	Union
Whitaker, R. L. (4 TE)	Union
White, L. G. (3 ME)	Gaffney
White, W. P. (3 EE)	Greenville
Whitehead, C. J. (2 TM)	Greenville
Whitesides, H. S. (2 EE)	Chester
Whitfield, N. C. (2 TM)	Townville
Whitmire, J. B. (3 VAE)	Griffin, Ga.
Whitmire, R. J. (3 A&S)	Asheville, N. C.
Whitten, D. L. (2 TM)	Pell City, Ala.
Whittle, R. O. (1 E-CE)*	Ward
Wilbanks, J. T. (1 TM)	Clemson
Wiley, H. S. (3 ME)	McCormick
Wilkerson, F. M. (4 A&S)	Hickory Grove
Williams, D. D. (4 TE)	Georgetown
Williams, H. R. (1 A-Poul)	Smoaks
Williams, J. F. (G)	York
Williams, J. K. (2 TE)	McBee
Williams, J. S. (4 TM)	Anderson
Williams, L. E. (2 Ar En)	Hampton, Va.
Williams, R. N. (3 TM)	Spartanburg
Williams, V. K. (1 VAE)	Swansea

Name and Course	Address
Williams, W. C. (3 Ind Ed)	Central
Williamson, D. H. (2 ME)	Florence
Williamson, D. M. (3 ME)	Naval Base
Williamson, N. E. (4 AH)	McConnellsville
Willimon, C. P. (4 Poul)	Greenville
Willis, S. M. (3 TM)	Greenwood
Wilson, C. A. (1 A-AH)	Bamberg
Wilson, C. W. (4 Ag En)	Landrum
Wilson, J. K. (4 A&S)	Wellford
Wilson, M. C. (4 CE)	Darlington
Wilson, R. G. (2 EE)	Greenwood
Wilson, T. C. (1 E-ME)	Greenwood
Winburn, W. C. (4 VAE)	Hartsville
Windsor, W. D. (3 TM)	Pell City, Ala.
Wingard, H. C. (4 TE)	Lexington
Wingard, R. D. (1 A-AH)	Lexington
Wolfe, E. C. (3 AH)	Inman
Wolfe, G. A. (3 VAE)	Inman
Wood, A. L. (3 TE)	Newberry
Wood, L. A. (4 TM)	Ware Shoals
Woodcock, F. E. (4 Ag Ec)	Pelzer
Woodfin, J. W. (2 Ag En)	Inman
Woodward, A. Q. (3 A&S)	Aiken
Woodward, N. E. (1 E-Ag En)	Aiken
Wooten, L. E. (3 Ch En)	Greenville
Worth, H. P. (3 TE)	Greenville
Worthy, H. R. (4 ME)	Lockhart
Wright, F. D. (4 CE)	Biltmore, N. C.
Wright, H. G. (4 EE)	Shelton
Wrightenberry, E. G. (1 Ed)	Burlington, N. C.
Wylie, W. L. (3 TE)	Winnsboro
Wylie, W. O. (3 TM)	Chester
Yarborough, F. K. (4 ME)	Mooresboro, N. C.
Yarbrough, D. R. (4 TM)	York
Yeargin, G. A. (4 Arch)	Anderson
Yecko, G. F. (3 Arch)	McDonald, Pa.
Young, E. R. (4 TM)	Honea Path
Young, S. R. (1 TM)	Sumter
Zatcoff, A. (1 TM)	Philadelphia, Pa.

NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM
1949 SUMMER TERM

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Architectural Engineering	Architecture	Chemical Engineering	Chemistry-Engineering	Civil Engineering
Senior	49	20	0	32	6	9	1	9	10	1	1	30
Junior	45	13	1	16	3	7	1	9	23	1	0	14
Sophomore	45	11	0	12	1	5	3	3	8	2	0	9
Freshman	20	5	1	8	1	10	1	2	5	0	0	9
Postgraduate												
Graduate												
Special												
Total	159	49	2	68	11	31	6	23	46	4	1	62

Classification	Electrical Engineering	Mechanical Engineering	Textile Chemistry	Textile Engineering	Textile Manufacturing	Education	Industrial Education	Vocational Agricultural Education	Postgraduate	Graduate	Special	Enrollment by Classes
Senior	39	42	5	30	80	1	14	23				402
Junior	20	33	4	9	62	4	20	17				302
Sophomore	23	31	2	6	66	1	8	16				252
Freshman	14	19	2	6	86	7	1	9				156
Postgraduate									13			13
Graduate										6		6
Special											21	21
Total	96	125	13	51	244	13	43	65	13	6	21	1152

ENROLLMENT BY COUNTIES AND STATES
1949 SUMMER TERM

County	*Total*
Abbeville	11
Aiken	25
Allendale	2
Anderson	100
Bamberg	9
Barnwell	4
Beaufort	9
Berkeley	2
Calhoun	4
Charleston	33
Cherokee	22
Chester	22
Chesterfield	11
Clarendon	6
Colleton	4
Darlington	13
Dillon	3
Dorchester	6
Edgefield	10
Fairfield	13
Florence	23
Georgetown	12
Greenville	120
Greenwood	20
Hampton	7
Horry	14
Jasper	1
Kershaw	4
Lancaster	9
Laurens	22
Lee	7
Lexington	7
Marion	11
Marlboro	5
McCormick	4
Newberry	14
Oconee	65
Orangeburg	30
Pickens	63
Richland	26
Saluda	7
Spartanburg	76
Sumter	21
Union	26
Williamsburg	3
York	37
South Carolina Total	943

State or Country	*Total*
Alabama	4
Connecticut	1
Costa Rica	1
Cuba	2
District of Columbia	5
Florida	5
Georgia	49
Illinois	1
Indiana	2
Louisiana	1
Maine	1
Massachusetts	4
Minnesota	1
Mississippi	2
Missouri	2
New Jersey	6
New York	11
North Carolina	79
Ohio	1
Pennsylvania	7
South Carolina	943
South Dakota	1
Tennessee	12
Virginia	8
West Virginia	3
Grand Total	1152

LIST OF STUDENTS, FIRST SEMESTER, 1949-1950

The names are arranged in alphabetical order and following the names are symbols indicating classes and courses. The classification of undergraduates is indicated by numerals as follows: 1—Freshman, 2—Sophomore, 3—Junior, 4—Senior.

The abbreviations following the numerals refer to the student's major course: A-Agriculture (unclassified as to major course), Ag Ec-Agricultural Economics, Agron-Agronomy, AH-Animal Husbandry, Bot-Botany, Dairy-Dairy, Ent-Entomology, Hort-Horticulture, Poul-Poultry, Ag En-Agricultural Engineering, Pre-For-Pre-Forestry; A&S-Arts and Sciences, Ind Phys-Industrial Physics, Pre-Med-Pre-Medicine; Chem-Chemistry; E-Engineering (unclassified as to major course, but the abbreviation following the "E" indicates a preliminary choice of major course), Arch-Architecture, Ar En-Architectural Engineering, Cr En-Ceramic Engineering, Ch En-Chemical Engineering, CE-Civil Engineering, EE-Electrical Engineering, ME-Mechanical Engineering; TC-Textile Chemistry, TE-Textile Engineering, TM-Textile Manufacturing; Ed-Education, Ind Ed-Industrial Education VAE-Vocational Agricultural Education.

New students admitted in September, 1949, are indicated by an asterisk (*); part-time students by a dagger (†).

Name and Course	Address
Abbott, J. R. (2 ME)*	Walhalla
Abbott, M. T. (1 A&S)*	Westminster
Abercrombie, C. F. (1 E-Ag En)*	Taylors
Abercrombie, H. O. (4 ME)	Central
Ackerman, C. L. (2 A&S)	St. George
Ackerman, C. W. (1 A)*	Cottageville
Adams, B. R. (4 TM)	Anderson
Adams, F. W. (2 TM)	Laurens
Adams, G. L. (4 ME)	Spartanburg
Adams, J. E. (1 Pre-For)*	Charleston
Adams, T. R. (1 A-AH)	Timmonsville
Adams, W. A. (3 A&S)	North Charleston
Adams, W. S. (4 A&S)	Clemson
Addabbo, D. J. (2 Arch)	New York, N. Y.
Addis, L. G. (3 TM)	Walhalla
Addy, N. W. (1 TM)	Lexington
Adickes, H. F. (4 Pre-Med)	York
Aguilar, J. E. (4 TM)	Alajuela, C. R.
Aiken, D. A. (4 TM)	Winnsboro
Aiken, F. J. (3 TM)	Greenville
Aiken, F. V. (3 TM)	Bath
Aiken, M. (4 EE)	Nimmons
Aimar, L. B. (2 Ar En)	Charleston
Akers, D. J. (4 Hort)	Carrollton, Ky.
Akers, M. F. (1 A&S)	Atlanta, Ga.
Aldous, G. C. (3 EE)	Naval Base
Aldrich, H. E. (1 E-ME)*	Anderson
Aldrich, R. B. (1 Chem)	Charleston
Alexander, B. M. (3 TM)	Lyman
Alexander, J. F. (G)†	Clemson
Alexander, J. K. (2 A-Agron)	Bishopville
Alexander, James M. (1 Ind Ed)*	Walhalla
Alexander, Julian M. (2 CE)	Westminster
Alexander, M. C. (3 Chem)	Walhalla
Alexander, M. W. (2 A-Agron)	Westminster
Alexander, W. Ray (4 AH)	Bishopville
Alexander, W. Richardson (3 TM)	Aiken
Allaband, W. A. (2 Cr En)	Spartanburg
Allen, C. G. (4 Ag En)	Latta
Allen, H. W. (2 VAE)	Clio
Allen, J. L. (2 VAE)	Clio
Allen, L. D. (4 EE)	Savannah, Ga.
Allen, L. R. (1 VAE)	Kings Creek
Allen, O. L. (4 CE)	West Union
Allen, R. L. (G ME)	Greenville
Allen, W. W. (3 Agron)	Spartanburg
Alley, J. P. (2 A-Ent)*	Macon, Ga.
Allison, H. G. (3 TM)	Gaffney
Allison, J. D. (2 VAE)	Pauline
Allison, J. M. (1 E)*	Albany, Ga.
Allison, W. H. (1 E-EE)*	Blacksburg
Allston, P. B. (1 A)*	Charleston
Altman, A. C. (3 Agron)	Galivants Ferry
Ameen, W. O. (4 Ar En)	Winnsboro
Amick, W. A. (3 TM)	Rock Hill
Ammons, J. B. (2 A-Agron)	Hartsville
Anagnost, N. P. (1 E-CE)	Greenwood
Anderson, B. G. (2 EE)*	Travelers Rest
Anderson, C. P. (4 TM)†	Lexington, N. C.
Anderson, G. B. (3 Pre-Med)	Chester
Anderson, J. J. (1 E-EE)*	Lowrys
Anderson, J. P. (1 TM)*	Piedmont
Anderson, J. R. (4 TM)	Elmhurst, Ill.
Anderson, M. H. (1 A)*	Timmonsville
Anderson, R. B. (4 Poul)	Sleepy Eye, Minn.
Anderson, S. G. (2 Pre-Med)	Glen Rock, N. J.
Anderson, S. H. (1 E-Ag En)*	Timmonsville
Anderson, W. B. (1 A&S)*	Georgetown
Anderson, W. D. (1 A&S)*	Summerville
Andrews, C. E. (1 Pre-Med)*	Hartsville
Andrews, L. R. (4 Ind Ed)	Elliott
Andrews, L. V. (4 TM)	Cedartown, Ga.
Andrews, W. P. (3 ME)	Greenville
Andrews, W. T. (3 ME)	Greenville
Andryaitis, A. J. (2 TM)	Pittsburgh, Pa.
Angley, D. T. (3 A&S)	East Gastonia, N. C.
Anthony, J. C. (1 Pre-Med)*	Buffalo, N. Y.
Archer, C. L. (4 A&S)	Anderson
Armstrong, W. F. (2 EE)*	Honea Path
Arndt, O. G. (3 Ar En)	Orangeburg
Arnold, D. T. (1 E-TE)*	Clanton, Ala.
Arnold, M. D. (1 Chem)*	Hamlet, N. C.
Arnold, T. L. (3 CE)	Woodruff
Arnold, T. R. (3 Arch)	Anderson
Arnts, G. W. (4 CE)	North Tonawanda, N. Y.
Aronson, A. A. (G Chem)	Raleigh, N. C.
Arrington, J. D. (3 Ag En)	Ninety Six
Arthur, H. T. (4 A&S)	Bristol, Tenn.
Arthur, R. A. (PG CE)	Spartanburg
Arthur, W. C. (1 E-ME)*	Bristol, Tenn.

Name and Course	Address
Arve, J. E. (2 Pre-Med)	Cumberland, Md.
Asbelle, C. T. (2 Arch)	Clearwater
Asbury, R. R. (2 TE)	Taylors
Ash, E. R. (4 ME)	Greenville
Ashby, W. T. (1 A)*	Florence
Ashley, R. H. (3 Ed)	Iva
Ashley, W. T. (3 Pre-Med)	Pikeville, Ky.
Ashmore, R. C. (3 Pre-Med)	Greenville
Ashton, J. P. (3 TE)	Philadelphia, Pa.
Askins, S. E. (3 Ch En)	Kingstree
Asnip, G. (4 TE)	Greenville
Asnip, W. D. (1 TM)*	Greenville
Atkins, W. G. (4 TM)	Anderson
Atkins, W. R. (2 A-AH)	Hamer
Atkinson, C. W. (2 TM)	Chester
Atkinson, F. W. (4 Ag En)	Augusta, Ga.
Attaway, H. H. (2 Ind Ed)	North Charleston
Aughtry, J. E. (3 TM)	Lyman
Auld, I. D. (3 VAE)	Mt. Pleasant
Auman, H. W. (1 TM)*	High Point, N. C.
Avant, A. L. (1 VAE)*	Marion
Aycock, E. R. (4 TM)	Greenville
Ayers, J. L. (1 E-EE)*	Piedmont
Bagwell, E. T. (1 Pre-Med)*	Atlanta, Ga.
Bagwell, H. B. (4 ME)	Spartanburg
Bailes, J. P. (1 E-Ag En)*	Union
Bailey, C. H. (2 EE)	Allendale
Bailey, C. K. (2 TE)	Lockhart
Bailey, G. T. (4 TE)	Greenville
Bailey, J. H. (1 E-EE)*	Charleston
Bailey, R. B. (Unc)†	Clemson
Bailey, T. A. (1 A-AH)	Naval Base
Bailey, T. W. (4 CE)	Summerville
Bailey, W. P. (4 A&S)	Greenwood
Bain, O. L. (3 TM)	Greenwood
Baker, A. E. (1 E-EE)*	Charleston
Baker, E. R. (4 ME)	Great Falls
Baker, G. H. (4 Agron)	Cades
Baker, L. K. (2 Pre-Med)	Sumter
Baker, M. C. (1 VAE)*	Harleyville
Baker, R. W. (2 TM)	Pageland
Baldwin, C. M. (3 AH)	Georgetown
Baldwin, H. H. (1 TM)*	Darlington
Baldwin, J. D. (4 Ag En)	Greenwood
Baldwin, O. S. (2 Ind Ed)	Charleston
Baldwin, W. E. (3 Chem)	Spartanburg
Ball, S. E. (4 TM)	Greenville
Ballenger, R. D. (4 TM)	Charlotte, N. C.
Ballenger, S. B. (4 TM)	Chattanooga, Tenn.
Ballentine, G. W. (1 TM)	Blythewood
Ballentine, J. R. (2 Ag En)	Anderson
Ballentine, W. W. (4 Ag Ec)	Blythewood
Ballew, C. B. (4 Ed)	Liberty
Ballew, H. M. (1 TC)*	Greenville
Ballinger, W. H. (4 TM)	Atlanta, Ga.
Balloch, J. (4 TM)	Travelers Rest
Bankhead, T. E. (4 VAE)	Sharon
Banks, A. J. (4 EE)	St. Matthews
Bannister, J. A. (1 E-ME)*	Anderson
Banta, R. (1 E-CE)*	Hawthorne, N. J.
Barbot, D. C. (3 EE)	Florence
Barfield, W. M. (4 AH)	Sumter
Barker, O. W. (1 A)*	Allendale
Barker, R. E. (2 A-Hort)	Conway
Barker, V. R. (3 Agron)	Allendale
Barksdale, C. B. (1 E-EE)*	Greenwood
Barksdale, W. H. (3 VAE)	Gray Court
Barnes, D. E. (4 Ind Phys)	Brevard, N. C.
Barnes, R. E. (4 TM)	Rutherfordton, N. C.
Barnett, E. W. (4 TM)	Great Falls
Barnett, J. C. (1 Pre-Med)	Marietta
Barnett, J. T. (3 Arch)	Memphis, Tenn.
Barnett, W. C. N. (3 VAE)	Greer
Barnhill, B. G. (1 TC)*	Gaffney

Name and Course	Address
Barofsky, N. (1 TM)*	Brooklyn, N. Y.
Barr, W. H. (2 Ag En)	Rion
Barrett, G. M. (3 TM)	Atlanta, Ga.
Barrett, R. F. (4 TM)	Simpsonville
Barrineau, E. R. (4 VAE)	San Antonio, Texas
Barrow, J. O. (3 TM)	North Augusta
Bartlett, F. O. (2 TM)	Spartanburg
Barton, F. W. (3 Hort)	Aiken
Barton, J. T. (4 A&S)	Greer
Barton, J. W. (1 E)*	Clearwater, Fla.
Barton, T. E. (1 Ed)	Lancaster
Bass, F. J. (1 Pre-Med)*	Mullins
Bass, T. C. (3 Arch)	Greenville
Bates, C. L. (1 Arch)	Charlotte, N. C.
Bates, C. S. (1 E-EE)*	Moncks Corner
Bates, E. L. (2 A-Dairy)	Neeses
Bates, L. L. (3 EE)	Greenville
Bates, S. W. (3 EE)	Naval Base
Batson, H. E. (3 TM)	Greenville
Batson, H. G. (3 TM)	Laurens
Bauknight, L. M. (Unc)†	Clemson
Baxley, M. E. (1 A-AH)*	Mullins
Beach, M. G. (3 Chem)	Walterboro
Beach, R. L. (2 CE)	Walterboro
Beacham, W. C. (1 Arch)*	Greenville
Beall, J. H. (2 EE)	Chicago, Ill.
Beam, J. D. (1 VAE)*	Cherryville, N. C.
Bearden, H. J. (4 TM)	Cliffside, N. C.
Bearer, J. K. (2 A-AH)	Clemson
Bearss, W. A. (2 EE)	Columbus, Ga.
Beattie, R. C. (2 CE)*	Augusta, Ga.
Beatty, C. H. (4 EE)	Dunbarton
Bebeau, E. P. (1 TC)*	Schoolfield, Va.
Bee, S. S. (1 E-Ag En)*	Charleston
Beeks, J. R. (3 TE)	Greenville
Beery, T. W. (1 E-ME)	Pooler, Ga.
Behling, R. B. (3 EE)	St. George
Belger, J. H. (1 E-Ag En)*	Clio
Bell, G. E. (3 AH)	Cordova
Bell, G. M. (3 Ar En)	Anderson
Bell, J. E. (4 ME)	Orangeburg
Bell, J. P. (4 TM)	North Augusta
Bell, J. R. (1 E-TE)*	Anderson
Bell, R. R. (1 Ind Ed)	Pelzer
Bell, R. S. (2 A-Dairy)	Jefferson
Bellamy, W. R. (1 VAE)*	Loris
Beller, E. J. (2 Ed)	Washington, D. C.
Benenhaley, H. (1 VAE)*	Bishopville
Benfield, P. L. (4 Ag En)	York
Bennett, A. C. (1 A)*	Duncan
Bennett, R. C. (2 Chem)*	Belding, Mich.
Bennett, R. J. (2 VAE)	Union
Benton, O. F. (4 TM)	Eufaula, Ala.
Benton, P. L. (2 A)	Timmonsville
Berger, K. (4 Ar En)	Baltimore, Md.
Bergh, C. M. (1 E-Ag En)*	Tifton, Ga.
Berry, B. C. (3 Ag Ec)	Johnston
Berry, E. B. (Unc)†	Anderson
Berry, J. M. (2 A-Dairy)	Pelzer
Berry, P. H. (1 A-AH)	Saluda
Berry, R. M. (1 E-ME)*	Charleston
Berry, R. W. (4 Chem)	Atlanta, Ga.
Berry, T. C. (1 TM)*	Greenville
Berry, W. E. (3 Agron)	Elloree
Berry, W. W. (3 A&S)	Greenville
Besson, W. T. (4 A&S)	North Augusta
Bethel, W. P. (2 TM)	Charlotte, N. C.
Bettis, F. A. (4 Arch)	Greenville
Beyer, F. W. (G Phys)†	Clemson
Bigby, M. E. (G Ed)†	Clemson
Binnicker, M. (3 AH)	Norway
Bird, T. F. (2 A-AH)	Inman
Biser, H. H. (4 Ag En)	Columbia

Name and Course	Address
Bishop, B. A. (1 E-ME)	Cedar Mountain, N. C.
Bishop, B. T. (1 TM)*	Laurens
Bishop, G. J. (2 Cr En)	Savannah, Ga.
Bishop, H. E. (3 Cr En)	Greer
Bishop, J. H. (1 TM)	Ware Shoals
Bishop, M. B. (4 TM)	Landrum
Bissell, A. A. (3 TE)	Spartanburg
Bivins, R. L. (1 A-AH)*	Atlanta, Ga.
Black, B. R. (2 TM)	Union
Black, J. A. (4 TM)	York
Black, J. M. (4 TM)	Anderson
Black, R. G. (4 CE)	Rock Hill
Blackmon, W. W. (1 Arch)*	Columbus, Ga.
Blackwelder, H. V. (2 Arch)	Clinton
Blackwell, H. D. (4 Arch)	Newry
Blackwell, J. B. (2 Ag En)	Landrum
Blackwell, J. H. (3 TM)	Marion
Blair, A. E. (4 EE)	Greenville
Blair, E. W. (1 E-CE)	Spartanburg
Blair, G. W. (2 EE)	Savannah, Ga.
Blakely, L. J. (G VAE)†	Easley
Blakely, W. M. (1 E-EE)*	Simpsonville
Blancke, H. A. (1 TM)*	Amityville, N. Y.
Bland, H. E. (3 Ag En)	Gaffney
Bland, J. P. (4 A&S)	Johnston
Blessing, A. L. (1 E-ME)	Kingsport, Tenn.
Blocker, D. D. (4 Hort)	Walterboro
Bloxham, A. W. (4 TC)	Lyman
Bloxham, H. C. (3 TM)	Lyman
Blume, E. S. (1 Arch)*	Columbia
Blyth, E. K. (2 EE)	Charleston
Blythe, J. W. (4 ME)	Pelzer
Boazman, E. R. (PG VAE)	Chappells
Bobo, T. P. (4 TE)	Greenville
Bodle, W. J. (2 ME)	Anderson
Boggs, A. D. (1 A-Agron)*	Seneca
Boggs, C. D. (G)	Seneca
Boggs, C. R. (1 TM)	Greenville
Boggs, R. D. (1 A-Poul)	Central
Boggs, R. H. (4 TC)	Anderson
Boggs, T. L. (1 E-TE)*	Honea Path
Boissoneault, K. B. (2 ME)	Naval Base
Bolick, J. H. (1 A-Hort)	Marietta
Bolt, C. H. (1 Pre-Med)*	Laurens
Bolt, F. (1 E-EE)	Pendleton
Bolt, J. D. (1 Ar En)*	Greenville
Bomar, L. S. (3 TM)	Greenville
Bond, L. P. (2 Arch)	Columbia
Bonds, J. E. (1 VAE)*	Fountain Inn
Booker, F. W. (G Ed)†	Clemson
Bookhart, S. W. (1 E-CE)*	Kingstree
Boone, C. F. (1 TM)	Orangeburg
Booth, L. P. (4 Agron)	Sumter
Boozer, E. L. (1 TM)*	Swansea
Boozer, E. W. (1 A-AH)	Leesville
Boozer, H. S. (4 CE)	Denmark
Boozer, R. L. (2 VAE)	Lonestar
Boroni, H. L. (4 A&S)	Brooklyn, N. Y.
Bostic, C. W. (1 Arch)*	Gaffney
Boston, R. S. (4 ME)	Columbia
Boswell, D. F. (3 TM)	Manning
Bouchard, R. H. (4 Ch En)	Fall River, Mass.
Bouchillon, D. H. (1 E-Ch En)*	Greenville
Boulware, M. D. (2 A-Dairy)	Anderson
Boulware, T. T. (1 E-CE)*	Winnsboro
Bourne, C. R. (3 A&S)	Georgetown
Bowen, D. B. (4 EE)	Pickens
Bowen, J. H. (3 Hort)	Westminster
Bowen, R. A. (2 TE)	Belton
Bowen, R. E. (3 TM)	Greenville
Bowen, R. H. (4 A&S)	Greenville
Bowen, R. N. (3 CE)	Chesnee
Bowen, R. R. (4 TE)	Greenville
Bowen, W. K. (4 EE)	Piedmont
Bower, H. W. (3 ME)	Amsterdam, N. Y.
Bowers, G. W. (4 EE)	Central
Bowers, J. H. (3 Pre-Med)	West Union
Bowman, A. K. (2 CE)	Sumter
Bowman, E. H. (1 E-TE)*	Clover
Boyd, G. M. (4 ME)	Spartanburg
Boyd, H. S. (4 TM)	Laurens
Boyd, James H. (1 E-ME)	York
Boyd, Joseph H. (2 ME)*	Toccoa, Ga.
Boyd, P. A. (3 Ag Ec)	Loris
Boyd, R. P. (3 TM)	Charlotte, N. C.
Boyd, W. L. (3 TM)	York
Boykin, H. D. (3 Arch)	Boykin
Boykin, J. D. (4 A&S)	Georgetown
Boykin, T. O. (3 Ind Ed)	Camden
Boykin, T. R. (3 ME)	McColl
Boykin, W. B. S. (4 Agron)	Boykin
Boyle, C. R. (2 Ar En)	Columbia
Bozard, J. L. (3 Pre-Med)	Orangeburg
Bozard, W. D. (3 TM)	Silverstreet
Brackett, G. D. (4 TE)	Rock Hill
Brackman, J. M. (2 A&S)*	Cornelia, Ga.
Brackman, W. L. (2 A&S)*	Cornelia, Ga.
Bradberry, R. C. (1 E-EE)*	Athens, Ga.
Bradfield, J. W. (4 CE)	Charlotte, N. C.
Bradham, F. L. (3 Agron)	Sumter
Bradham, P. C. (3 Arch)	Sumter
Bradley, C. G. (3 Ag En)	Forest City, N.C.
Bradley, J. S. (1 A&S)*	Fort Benning, Ga.
Bradley, W. F. (2 TM)	North Charleston
Brady, J. R. (1 A-Agron)*	St. Matthews
Bramlette, J. M. (1 TM)*	Laurens
Brandt, G. F. (3 CE)	Augusta, Ga.
Branham, M. C. (1 Pre-Med)*	Columbia
Branham, R. A. (2 Ind Phys)	Atlanta, Ga.
Brannen, J. E. (4 AH)	Register, Ga.
Brannon, C. C. (G)†	Clemson
Brantley, J. W. (1 E-CE)*	Chester
Brennecke, H. J. (2 ME)	Walhalla
Brenner, W. R. (3 Ar En)	Jamaica, N. Y.
Brett, D. J. (3 TM)	New York, N. Y.
Bridgeman, J. L. (2 TC)	Whitney
Bridges, R. A. (3 TM)	Joanna
Bridges, W. R. (1 E-TE)*	Simpsonville
Bridgman, M. B. (1 E-EE)*	Belton
Bright, H. E. (4 TM)	Radford, Va.
Brinkley, J. A. (2 A-Hort)	Signal Mountain, Tenn.
Brinson, A. D. (4 Ind Phys)	Wilmington, N. C.
Brinson, H. E. (3 CE)	Savannah Beach, Ga.
Brisendine, R. S. (4 TE)	East Point, Ga.
Britton, R. R. (1 Ind Ed)	Chester
Broadway, J. R. (4 Ag En)	Summerton
Broadwell, R. L. (2 TE)	Anderson
Brock, D. C., Jr. (3 A&S)	Clemson
Brock, D. C., Sr. (G Ag Ec)†	Clemson
Brock, D. H. (1 E-EE)	Anderson
Brock, J. G. (4 TM)	Whitmire
Brock, O. D. (2 TM)	Whitmire
Brock, W. H. (1 TM)*	Fair Play
Brock, W. N. (1 A)*	Fair Play
Brockman, E. D. (4 Ch En)	Greenville
Brockman, H. L. (3 TM)	Westminster
Brockmann, H. E. (4 TM)	Charlotte, N. C.
Brodie, B. M. (4 AH)	Aiken
Brogdon, J. T. (2 A-Agron)	Manning
Brooks, J. P. (2 ME)	Naval Base
Broome, J. W. (1 E-CE)*	Honea Path
Brower, R. C. (1 E-Ar En)*	Savannah, Ga.
Brown, B. W. (G ME)	Starr
Brown, C. E. (1 TM)	Greenwood
Brown, C. M. (4 Agron)	Oswego

Name and Course	Address
Brown, D. L. (1 E-Ag En)*	Florence
Brown, E. R. (3 Ag Ec)	Iva
Brown, G. W. (3 A&S)	Darlington
Brown, J. A. (1 E-Ag En)*	Olar
Brown, L. E. (2 CE)	Starr
Brown, Ray C. (1 VAE)	Townville
Brown, Robert C. (4 AH)	Spartanburg
Brown, R. M. (3 Agron)	Iva
Brown, R. S. (3 TM)	Clemson
Brown, W. J. (4 A&S)	Walhalla
Brown, W. S. (2 TM)	Spartanburg
Bruce, M. E. (1 Pre-Med)*	Greer
Brumley, J. E. (4 TM)	Greenville
Bruner, G. E. (G Chem)†	Clemson
Brunson, J. D. (1 E-ME)*	Manning
Brunson, J. W. (2 A-AH)	Sumter
Brunson, M. O. (3 Chem)	Estill
Brunson, O. D. (1 E-ME)*	Ridgeland
Brunson, R. F. (2 ME)	Ridgeland
Brunson, W. E. (3 Ind Ed)	Sumter
Brutcher, C. K. (3 Pre-Med)	Savannah, Ga.
Bryan, W. J. (4 AH)	Walterboro
Bryant, E. R. (3 VAE)	Pacolet
Bryant, H. O. (3 TM)	Liberty
Bryant, I. W. (4 TM)	Inman
Bryant, J. E. (1 Ed)	Savannah, Ga.
Bryson, J. W. (2 EE)	Lyman
Bryson, T. J. (2 A-AH)	Mountville
Buchanan, H. H. (1 E-ME)*	Gastonia, N. C.
Buchanan, J. W. (2 TM)	Newberry
Buchanan, W. J. (1 A-Hort)	West Columbia
Buck, F. E. (1 E-CE)*	Sumter
Buck, H. S. (3 TC)	Edgemoor
Buckles, C. D. (1 A)	Salters
Buist, S. J. (3 A&S)	Blackville
Bull, J. H. (1 TM)	Taylors
Bullard, E. R. (1 TM)*	Brunson
Bundy, J. G. (4 CE)	Bennettsville
Bunger, A. W. (3 ME)	Richmond, Va.
Burch, M. B. (3 A&S)	Florence
Burdette, F. D. (2 ME)	Simpsonville
Burdette, G. W. (1 E-ME)*	Greenville
Burdette, H. C. (1 E-TE)*	La France
Burdette, J. S. (4 CE)	Greenville
Burkett, V. R. (1 E-TE)*	Leesville
Burkins, R. E. (1 Arch)*	Baltimore, Md.
Burley, D. H. (2 Ch En)	Clemson
Burnett, W. C. (4 TM)	Johnston
Burnett, W. E. (3 TM)	Greelyville
Burns, E. W. (1 E-CE)*	Greenville
Burns, R. D. (1 VAE)*	McCormick
Burns, W. C. (3 AH)	Georgetown
Burns, W. H. (G Ag Ec)†	Clemson
Burton, C. J. (2 ME)	Westminster
Burton, J. A. (4 Arch)	Greensboro, N. C.
Burwell, R. H. (2 A-AH)*	Rutherfordton, N. C.
Busbee, A. L. (1 E-TE)	Graniteville
Busby, A. F. (4 Dairy)	Anderson
Bush, J. J. (4 Ag En)	Allendale
Bussey, J. C. (2 Ag En)	Hagood
Butler, E. A. (2 CE)	Youngstown, Ohio
Butler, E. J. (1 A)*	Lexington
Butler, L. C. (1 TM)*	Mooresville, N. C.
Butler, R. D. (1 E-Ch En)*	Greenville
Butts, T. A. (1 Arch)*	Bloomfield, N. J.
Butts, W. W. (3 Hort)	Walhalla
Buxton, J. F. (3 TM)	Sardis, Ga.
Buzzell, W. V. (1 Arch)	Augusta, Maine
Byars, G. H. (1 E-Ag En)*	Lowrys
Byers, B. M. (1 E-ME)*	Myers
Byrd, C. R. (1 Arch)*	Greenville
Byrd, E. A. (4 CE)	Branchville
Byrd, G. E. (1 A)*	Hartsville
Byrd, J. A. (4 TM)	Greenville
Calcutt, H. G. (1 A)*	Pamplico
Calder, J. R. (1 A-AH)*	Mullins
Caldwell, G. C. (2 ME)*	Willow Grove, Pa.
Calhoun, A. P. (4 A&S)	Savannah, Ga.
Calhoun, J. D. (3 ME)	Ringgold, Ga.
Calhoun, T. C. (1 Arch)*	Charlotte, N. C.
Callaham, J. F. (1 E-EE)*	Atlanta, Ga.
Calvert, F. G. (1 E-EE)*	Moultrieville
Calvert, J. H. (2 TM)	Spartanburg
Calvert, J. W. (3 TM)	Spartanburg
Calvert, L. (4 TM)	Mount Holly, N. C.
Calvert, T. E. (1 TM)	Honea Path
Cameron, E. L. (1 E-EE)	Saluda
Cameron, J. T. (4 TM)	Chester
Campbell, A. M. (1 A-Ag Ec)*	McCormick
Campbell, B. C. (2 EE)	Greenville
Campbell, D. H. (3 TM)	Edgefield
Campbell, E. (1 A-AH)*	Dillon
Campbell, H. T. (1 TM)	Chester
Campbell, J. B. (4 EE)	Inman
Campbell, J. G. (1 E-ME)*	Greenville
Campbell, R. E. (1 Arch)*	Anderson
Campbell, Wallace L. (3 TM)	Edgefield
Campbell, William L. (4 TM)	Greenville
Canfield, J. F. (4 Ag En)	Greenwood
Cannada, R. L. (3 TM)	Taylors
Cannon, J. G. (2 TC)	Clemson
Cantrell, B. P. (1 Arch)*	Spartanburg
Capelle, D. G. (1 E-CE)*	Clemson
Caphton, D. L. (2 ME)	Savannah, Ga.
Carden, L. D. (2 TM)	Chickamauga, Ga.
Carlisle, J. R. (1 E-EE)*	Calhoun Falls
Carlisle, J. S. (1 E-TE)	Spartanburg
Carlson, P. G. (3 TM)	North Augusta
Carlton, J. D. (1 E-ME)*	Blacksburg
Carmichael, C. F. (2 VAE)	Fork
Carmichael, D. M. (1 E-TE)*	Dillon
Carmichael, K. S. (2 TM)	Lynchburg
Carothers, J. F. (2 TM)	Rock Hill
Carpenter, W. E. (1 E-ME)	Graniteville
Carr, W. B. (3 CE)	Laurens
Carr, W. G. (3 Ch En)	Union
Carraway, H. S. (1 A&S)*	Georgetown
Carroll, C. R. (4 A&S)	Blackville
Carroll, E. R. (1 Ar En)	Spartanburg
Carroll, J. H. (4 TE)	Anderson
Carroll, R. C. (1 Pre-Med)	Florence
Carson, C. E. (4 TM)	Union
Carson, J. M. (1 TM)*	Kershaw
Carson, S. G. (1 Ar En)*	Central
Carter, C. A. (2 ME)	Rock Hill
Carter, C. E. (1 E-EE)*	Augusta, Ga.
Carter, E. C. (4 Ch En)	Lamar
Carter, E. W. (2 TM)	Columbia
Carter, G. R. (2 TM)	Anderson
Carter, J. R. (4 EE)	Greenville
Carter, T. (4 TC)	Langley
Carter, W. G. (3 Ed)	Greenville
Carver, A. B. (4 EE)	Greenville
Casale, R. C. (1 Arch)*	Jamaica, N. Y.
Case, G. F. (2 TM)	Liberty
Cash, C. D. (2 ME)*	Philadelphia, Pa.
Cash, W. G. (3 TM)	Taylors
Caskey, W. J. (3 Ag Ec)	Lancaster
Cason, C. R. (1 E-ME)	Walhalla
Cason, P. N. (2 ME)	Brunswick, Ga.
Cassell, J. H. (3 Arch)	Pickens
Cassidy, W. B. (2 TE)	Hartsville
Castles, D. F. (4 EE)	Winnsboro
Castles, R. L. (1 E-ME)	Winnsboro
Castles, T. P. (3 AH)	Great Falls
Castles, T. S. (1 TM)*	Winnsboro
Cates, J. M. (4 Arch)	Savannah, Ga.

Name and Course	Address
Cates, J. W. (3 ME)	Seneca
Cathcart, J. F. (3 TM)	Bishopville
Cauble, R. N. (G Phys)†	Salisbury, N. C.
Caudill, J. B. (2 A-Ag Ec)*	Ronda, N. C.
Caudill, V. S. (2 A)	Star, N. C.
Caulder, S. L. (3 VAE)	Lake City
Causey, C. E. (4 AH)	Furman
Cauthen, J. R. (1 E-Ag En)	Heath Springs
Cauthen, M. B. (3 VAE)	Heath Springs
Cauthen, M. F. (1 TM)	Rock Hill
Cecil, O. K. (4 Ar En)	Spartanburg
Chagaris, W. J. (1 E-CE)*	Gastonia, N. C.
Chalker, A. L. (4 ME)	South Orange, N. J.
Chalmers, L. V. (4 TM)	Greenwood
Chambers, H. C. (4 CE)	Beaufort
Chambers, J. E. (3 ME)	Piedmont
Chambers, R. W. (3 Ch En)	Hayesville, N. C.
Chamblee, D. N. (1 A-Agron)*	Anderson
Chamblee, H. R. (1 E-Ag En)*	Anderson
Chamness, E. (4 Ag En)	Bennettsville
Chamness, W. B. (3 Arch)	Bennettsville
Chandler, A. S. (2 Arch)*	Greensboro, N. C.
Chandler, James A. (3 CE)	Clinton
Chandler, Joseph A. (1 E-ME)*	Murrells Inlet
Chandler, T. N. (1 Ed)	Greenwood
Chaplin, H. M. (3 Agron)	Neeses
Chapman, J. W. (3 TM)	Spartanburg
Chapman, P. M. (1 Pre-Med)	Anderson
Chapman, V. L. (1 TM)*	Pelzer
Chapman, W. F. (1 A)*	Belton
Chariker, R. A. (1 E-EE)*	Clover
Charles, T. L. (3 EE)	Greenwood
Chason, M. L. (2 VAE)*	Cairo, Ga.
Chastain, J. D. (3 VAE)	Taylors
Childress, J. L. (3 TM)	Fort Knox, Ky.
Childress, J. R. (3 VAE)	Six Mile
Childs, D. A. (1 TM)	Spartanburg
Childs, E. N. (G)*†	Central
Childs, L. C. (1 Arch)	Columbia
Chovan, T. M. (4 EE & Ind Phys)	Bethlehem, Pa.
Christenbury, J. W. (3 TM)	Charlotte, N. C.
Christie, F. (2 CE)*	Palmyra, N. J.
Christopher, J. A. (3 Ag En)	Landrum
Christopher, J. B. (2 Ind Ed)	Central
Ciarfello, M. J. (1 Ar En)	Hawthorne, N. J.
Ciotti, W. A. (1 Ar En)	Lexington
Clanton, J. C. (3 A&S)	Charlotte, N. C.
Clanton, R. M. (4 A&S)	Darlington
Clapp, J. C. (2 ME)	St. Petersburg, Fla.
Clardy, W. W. (4 A&S)	Arlington, Va.
Clark, E. W. (1 TM)*	Lexington
Clark, G. L. (4 Ind Ed)	Johnston
Clark, H. H. (1 E-TE)*	Greenville
Clark, L. S. (3 AH)	Johnston
Clark, O. M. (3 TM)	Clemson
Clark, W. K. (4 TM)	Walhalla
Clarke, A. H. (2 TM)	Laurens
Clarke, E. N. (2 EE)*	Savannah, Ga.
Clarke, L. W. (4 AH)	Pineville
Clarkin, J. R. (3 Ar En)	Charleston
Clarkson, H. C. (1 E-CE)	Cheraw
Clayton, D. H. (3 Ch En)	Dorchester
Clayton, L. A. (2 TM)	Greer
Clayton, R. (1 TM)*	Inman
Cleland, C. H. (3 ME)	Ridgeland
Clement, C. W. (4 VAE)	Inman
Cleveland, J. O. (4 TM)	Anderson
Clevenger, C. W. (1 E-ME)	Piedmont
Clifford, G. D. (1 A-AH)	Newton, Ga.
Cline, S. L. (2 TC)	Conover, N. C.
Clinkscales, H. S. (3 VAE)	Starr
Clinkscales, M. M. (4 TM)	Abbeville
Clinkscales, P. H. (1 A-AH)*	Honea Path
Cloud, J. D. (2 Ch En)	Orlando, Fla.
Cloud, R. P. (2 Ind Ed)	Kingsport, Tenn.
Coarsey, R. W. (2 A-Dairy)	Trion, Ga.
Coates, R. M. (1 E-CE)*	Mountville
Cobb, T. E. (2 TE)	Lyman
Cobb, W. H. (2 EE)	Columbia
Cochran, P. (1 E-Ag En)*	East Point, Ga.
Cochran, W. R. (4 Ind Ed)	Seneca
Cochran, W. T. (3 TE)	Greenville
Cofer, C. M. (3 Ag En)	Charlotte, N. C.
Coggins, J. E. (1 VAE)*	Inman
Cohen, P. B. (3 Agron)	Waynesboro, Ga.
Coker, H. D. (1 A-AH)*	Kingstree
Coker, J. W. (1 Ed)	Turbeville
Coker, T. H. (1 VAE)*	Pelzer
Coker, W. J. (2 VAE)*	Lake City
Cole, C. M. (1 A)*	Buffalo, N. Y.
Cole, J. H. (1 TM)*	La France
Cole, T. W. (1 E-CE)*	Lancaster
Coleman, C. D. (3 CE)	Anderson
Coleman, C. E. (3 TC)	Brunswick, Ga.
Coleman, C. P. (2 CE)	Greenwood
Coleman, P. W. (1 A-Dairy)	Mountville
Coleman, T. E. (4 CE)	Mountville
Coleman, W. R. (3 CE)	Anderson
Collings, T. A. (4 Pre-Med)	Clemson
Collins, E. B. (2 VAE)*	Campobello
Collins, H. (1 A-Ent)*	Anderson
Collins, M. A. (2 Ind Ed)	Walhalla
Collins, R. F. (4 Ind Phys)	Greenville
Collins, W. J. (1 TM)	Westminster
Collins, W. L. (1 A&S)*	Georgetown
Colvin, W. P. (1 Chem)*	Chester
Compton, C. J. (2 ME)	Hartsville
Compton, J. W. (1 Pre-Med)*	Laurens
Compton, T. E. (1 E-CE)*	Greenville
Conder, J. W. (1 A-AH)*	Columbia
Condon, F. E. (1 E-EE)*	Charleston
Cone, F. (2 VAE)	Coosada, Ala.
Cone, M. M. (1 VAE)*	Coosada, Ala.
Connell, W. J. (2 TM)	Greenville
Connolly, H. M. (4 TM)	Ware Shoals
Connor, T. M. (4 Ag En & CE)	Bowman
Conte, A. L. (3 ME)	Central
Converse, S. W. (3 TM)	Spartanburg
Conway, J. W. (3 EE)	Somerville, Mass.
Coogler, W. W. (1 E-Ch En)*	Chester
Cook, D. L. (1 E-ME)	Kershaw
Cook, J. C. (Unc)†	Clemson
Cook, James H. (1 VAE)*	Mullins
Cook, Joseph H. (4 TM)	Travelers Rest
Cook, J. W. (1 E-EE)	Easley
Cook, P. A. (2 TC)	Spartanburg
Cook, R. M. (1 E-TE)*	Aiken
Cook, W. T. (3 VAE)	Owings
Cookson, F. E. (1 A&S)*	Clemson
Cooler, D. B. (3 TM)	Plantersville
Cooley, C. H. (1 E-EE)*	Belton
Coon, S. C. (1 E-ME)*	Greenville
Cooper, H. M. (4 TE)	Greenville
Cooper, J. B. (1 E-CE)*	Gray Court
Cooper, L. R. (4 A&S)	Travelers Rest
Cooper, R. E. (1 Pre-Med)	Columbia
Cooper, R. P. (4 VAE)	Andrews
Cooper, T. G. (1 Pre-Med)*	Columbia
Cooper, W. P. (3 TM)	Columbia
Corbett, W. E. (2 Ag En)	Mountville
Corbitt, M. R. (1 E-Ch En)*	St. Matthews
Corley, E. A. (3 AH)	Greenwood
Cornwell, J. B. (2 TM)	Great Falls
Cornwell, M. M. (3 CE)	Fort Myers, Fla.
Cornwell, N. S. (4 Arch)	Fort Myers, Fla.

Name and Course	Address
Costello, W. V. (3 A&S)	Georgetown
Cothran, E. E. (3 TM)	Sandy Springs
Cothran, J. B. (4 TM)	Sandy Springs
Cothran, J. R. (4 Ag En)	Inman
Cothran, O. R. (4 VAE)	Pickens
Cothran, W. J. (1 Ind Ed)*	Inman
Coursey, E. G. (3 ME)	Clearwater
Coursey, J. T. (4 Ar En)	Charlotte, N. C.
Courtenay, S. J. (3 TE)	Greenville
Courtney, R. O. (3 CE)	Johnston
Cousins, W. R. (4 ME)	Newberry
Covin, J. O. (1 E-EE)*	Belton
Covington, D. H. (2 Pre-Med)	Burnsville, N. C.
Covington, N. J. (3 EE)	Charlotte, N. C.
Coward, V. L. (1 E-ME)	Calhoun Falls
Cox, C. R. (3 A&S)	Camden
Cox, J. D. (1 E-TE)*	Loris
Cox, J. E. (4 CE)	Decatur, Ga.
Cox, J. F. (4 TE)	Marion
Cox, J. M. (3 Arch)	Kingsport, Tenn.
Cox, M. E. (1 E-ME)*	Greenwood
Cox, R. E. (2 A-AH)	Yonges Island
Cox, R. O. (2 A)*	Woodruff
Cox, T. L. (1 E-EE)*	Greenville
Cox, W. M. (1 VAE)*	Greenville
Coxe, W. B. (4 TM)	Greenville
Cozart, J. G. (2 EE)	Columbus, Ga.
Craddock, G. L. (1 E-EE)*	Emporia, Va.
Craig, J. F. (4 Pre-Med)	Eastover
Craig, J. T. (3 Ag En)	Pickens
Craig, K. R. (3 Arch)	Greenville
Craig, M. A. (3 TE)	Clover
Crane, W. T. (3 EE)	Savannah, Ga.
Crapse, H. M. (4 ME)	Estill
Craven, W. H. (4 Agron)	Bamberg
Crawford, G. E. (1 Arch)	Gray Court
Crawford, J. B. (1 A)	Kelso, Tenn.
Creech, E. R. (2 TM)	Spartanburg
Creech, H. L. (3 Dairy & Poul)	Olar
Creighton, C. S. (4 Ent)	North Augusta
Creighton, J. H. (1 E-ME)	Buffalo
Creighton, W. P. (1 TC)*	McCormick
Crenshaw, C. L. (G)	Pendleton
Crenshaw, P. W. (1 E-CE)	Westminster
Crenshaw, T. N. (1 A)*	La France
Cribb, J. T. E. (2 A&S)	Spartanburg
Cribb, R. E. (1 E-Ag En)*	Florence
Crim, J. E. (3 EE)	Greer
Crocker, A. L. (1 Ed)*	Gaffney
Crocker, J. L. (4 AH)	Union
Croke, T. M. (3 CE)	Philadelphia, Pa.
Cromer, C. D. (1 VAE)	Kinards
Cromer, J. R. (2 Ed)	Newberry
Cromwell, R. B. (4 A&S)	Chester
Crosby, J. R. (1 TM)*	Travelers Rest
Crosland, L. K. (3 Agron)	Bennettsville
Crouch, R. E. (1 A&S)	St. Petersburg, Fla.
Crouch, R. W. (3 TE)	Greenville
Crowder, J. W. (1 A)*	Chester
Crowe, R. N. (4 Arch)	Greenwood
Crump, E. L. (3 ME)	Newberry
Crumpton, J. C. (1 TM)*	Greenville
Cudd, R. H. (2 TM)	Spartanburg
Cudworth, T. F. (4 CE)	Greensboro, N. C.
Culberson, C. K. (2 TM)	Shannon, Ga.
Culbreth, F. H. (1 A-Hort)*	Campobello
Culley, H. B. (1 TM)*	West Frankfort, Ill.
Culp, R. B. (3 VAE)	Waxhaw, N. C.
Culp, T. W. (3 Agron)	Fort Mill
Cummings, G. N. (2 Ind Ed)	Summerville
Cummings, H. A. (1 A-Ag Ec)*	Ruffin
Cureton, F. M. (4 TM)	Union
Cureton, J. C. (2 TM)	Clemson

Name and Course	Address
Curran, J. F. (1 E-EE)	Churchland, Va.
Currie, A. C. (1 A)*	Harleyville
Currie, E. G. (1 VAE)	Lake View
Currie, L. G. (2 A-Ag Ec)	Clio
Curry, J. C. (1 Ar En)*	Batesburg
Curry, J. M. (4 Agron)	Gray Court
Cushman, J. E. (3 Dairy)	Chester
Cutchin, J. T. (2 ME)*	Portsmouth, Va.
Dabney, W. D. (2 A-AH)	Lancaster
Dalrymple, F. M. (1 TM)*	Mt. Croghan
Dalton, A. A. (PG Ed)	Seneca
Dameron, R. M. (2 Chem)	Greenville
Damiano, G. (1 E-CE)	Providence, R. I.
Daniel, G. G. (2 Ind Ed)	North Augusta
Daniel, H. G. (3 Ch En)	Charlotte, N. C.
Danner, B. C. (2 ME)	Jonesville
Dantzler, H. L. (1 Pre-For)*	Summerville
Darby, O. L. (1 E-EE)*	Honea Path
Darby, W. E. (4 A&S)	Fort Motte
Dargan, G. W. (1 E-CE)*	Darlington
Darling, J. S. (1 A&S)*	Medfield, Mass.
Davenport, J. A. (3 ME)	Germantown, Tenn.
Davis, B. B. (1 E-TE)	Cowpens
Davis, B. W. (3 TM)	Greenville
Davis, C. E. (4 TM)	Greenwood
Davis, C. W. (3 A&S)	Waynesville, N. C.
Davis, G. L. (2 TM)	Waban, Mass.
Davis, H. (3 VAE)	Townville
Davis, H. G. (1 E-CE)*	Murfreeboro, Tenn.
Davis, J. B. (1 Arch)*	Anderson
Davis, J. M. (4 VAE)	Norway
Davis, J. R. (1 VAE)	Ridge Spring
Davis, L. A. (1 E-Ag En)*	Norway
Davis, N. E. (3 AH)	Mullins
Davis, P. C. (2 CE)	Greer
Davis, R. (4 VAE)	Johns Island
Davis, R. A. (1 E-TE)	Greenville
Davis, R. E. (4 TM)	Fountain Inn
Davis, R. F. (1 E-ME)	Union
Davis, R. S. (4 TM)	South Boston, Va.
Davis, W. C. (1 VAE)	Furman
Davis, W. M. (1 A&S)	Greenwood
Dawkins, J. R. (3 TE)	Prosperity
Dawsey, J. W. (2 VAE)	Aynor
Day, P. B. (1 Pre-Med)*	Johnston
Deanhardt, L. C. (3 TM)	Belton
Deas, B. F. (3 TM)	Rock Hill
Deas, J. W. (4 ME)	Rock Hill
Deason, F. P. (3 TM)	McCormic
Debski, J. Z. (2 A-Poul)	Irvington, N.
Deering, G. F. (1 E-ME)	Ander on
Dees, E. L. (2 TM)	Blenheim
Dees, W. M. (3 Hort)	Blenheim
Delk, W. S. (2 TM)	Greenville
DeLoach, G. E. (3 TM)	Beaufort
DeLoach, R. L. (4 ME)	Beaufort
DeLoach, W. W. (4 TM)	Columbia
DeLoache, W. E. (1 A&S)*	Columbia
DeLorme, H. M. (4 Ent)	Columbia
Demopoulos, J. A. (1 Ind Ed)	Orlando, Fla.
Dempsey, A. G. (1 TM)*	Landrum
Dempsey, C. L. (2 ME)	Naval Base
Dempsey, G. (2 Ed)	Augusta, Ga.
Denaro, L. F. (1 E-Ag En)	Moncks Corner
Dennis, T. W. (1 E-CE)	Johnsonville
Denson, W. C. (2 ME)	Orlando, Fla.
Dent, J. E. (3 TM)	Columbia
Derieux, W. T. (4 Poul)	Blythewood
Derro, J. J. (1 Pre-For)*	Winchester, Mass.
Deviney, W. E. (4 Ag Ec)	Rutherfordton, N. C.
Devlin, G. M. (4 ME)	Greenwood
Dewberry, W. E. (2 TM)	Elberton, Ga.
DeWitt, A. E. (1 E-CE)*	Darlington

Name and Course	Address
Dey, W. H. (2 ME)	Jacksonville, Fla.
DeYoung, L. B. (4 Hort)	Clemson
Diamond, G. (3 TM)	Taunton, Mass.
Dickert, H. D. (3 EE)	Orangeburg
Dickson, G. L. (1 E-ME)*	Greenwood
Dickson, James F. (1 E-Ag En)	York
Dickson, John F. (3 Ind Phys)	Rock Hill
Dickson, J. P. (1 A-AH)*	McCormick
Dilfield, R. E. (4 Arch)	Newport News, Va.
Di Marzo, J. M. (2 CE)	West Orange, N. J.
DiMucci, D. M. (1 Ed)	McKeesport, Pa.
DiStefano, E. E. (1 E-CE)	Providence, R. I.
Dixon, E. C. (1 TM)	Darlington
Dixon, L. C. (1 TM)	Union
Dixon, W. H. (3 TM)	Brevard, N. C.
Dixon, W. L. (3 EE)	Sumter
Doar, L. H. (2 Ch En)	Lakeland, Fla.
Dobbins, J. P. (4 Ind Phys)	Spartanburg
Dobson, J. W. (Unc)†	Central
Dobson, R. T. (3 TM)	Central
Dodgen, W. D. (2 TM)	York
Dohar, E. J. (1 E-CE)	Wattsville
Donelon, J. M. (Unc)†	Clemson
Donkle, J. O. (1 A-AH)	Pauline
Donovan, R. D. (4 Ag En)	Birmingham, Ala.
Dorn, M. D. (4 EE)	Greenwood
Dorn, R. E. (1 E-EE)*	Greenwood
Doubleday, V. C. (1 E-CE)*	Miami, Fla.
Douglass, C. R. (1 E-CE)*	Reidsville, N. C.
Douglass, G. G. (4 TM)	Winnsboro
Douglass, H. A. (4 Ag Ec)	Columbia
Dowis, W. S. (4 Arch)	Spartanburg
Dowling, J. H. (2 TM)	Chester
Doyle, C. B. (4 Ent)	Anderson
Dozier, F. E. (1 E-CE)	Brunswick, Ga.
Dozier, R. W. (1 E-Ag En)*	Marion
Drafts, J. T. (3 Ar En)	Lexington
Drake, B. F. (4 Agron)	Pelzer
Drake, O. D. (1 E-Ag En)	Greenville
Drake, O. K. (3 TM)	McCormick
Drake, W. H. (3 EE)	Donalds
Draper, C. H. (2 TM)	Spartanburg
Drennon, H. L. (1 TM)*	Pelzer
Drew, F. H. (1 A&S)*	Ridgeland
DuBose, C. R. (3 Ind Ed)	Ellenton
Duckworth, R. J. (4 TM)	Westminster
Duckworth, R. M. (3 Ar En)	Westminster
DuCom, E. L. (2 Ag En)	Sumter
Dugan, J. D. (4 ME)	Easley
Duke, L. M. (2 Pre-For)	McClellanville
Duke, L. R. (1 E-CE)*	Kingstree
Duke, R. W. (1 A-AH)*	Kingstree
Dukes, D. E. (4 Ind Ed)	Orangeburg
Dukes, E. O. (1 TM)*	North Augusta
Dukes, H. L. (2 TM)	Newberry
Dukes, P. D. (1 A)*	Reevesville
Dumas, A. L. (3 TE)	Rockmart, Ga.
Duncan, B. A. (4 TM)	Six Mile
Duncan, B. W. (1 Ed)*	Erwin, Tenn.
Duncan, H. H. (2 EE)	Anderson
Duncan, J. H. (1 E-Ch En)*	Charleston
Duncan, R. E. (3 ME)	Callison
Duncan, R. M. (3 ME)	Union
Duncan, W. F. (3 Arch)	Greer
Dunlap, R. T. (1 A)*	Clinton
Dunn, D. L. (4 EE)	Warrenville
Dunn, G. R. (2 EE)	Coopersburg, Pa.
Dunn, J. C. (2 TM)	Central
Dunn, J. H. (2 ME)	North Augusta
Dunn, O. H. (1 TM)	Birmingham, Ala.
DuPre, W. M. (G Dairy)†	Clemson
Durden, G. C. (2 EE)	Augusta, Ga.
Durgin, T. L. (1 A)	Washington, D. C.
Durham, C. M. (1 Pre-Med)*	Columbia
Duvall, G. W. (1 Ind Phys)*	Cheraw
Duvall, R. W. (3 Chem)	Cheraw
Dwight, R. C. (2 EE)	Sumter
Dyches, H. M. (1 E-TE)	Aiken
Dycus, J. R. (1 Arch)*	Daytona Beach, Fla.
Eakin, J. R. (1 A&S)	Stone Mountain, Ga.
Eargle, J. C. (4 Ch En)	Parr
Eargle, W. R. (1 Ar En)*	Columbia
Earle, D. L. (1 TM)*	Wellford
Earle, G. C. (2 ME)	Washington, D. C.
Earle, J. B. (1 Pre-Med)*	Walhalla
Earle, J. E. (1 A-Agron)*	Anderson
Earle, T. B. (1 Pre-For)*	Savannah, Ga.
Earle, T. P. (1 VAE)	Central
Early, J. D. (2 A-Ent)	Florence
Earnhardt, R. A. (4 TM)	Spartanburg
Easterling, J. L. (2 A-Agron)	Hartsville
Eberhart, H. C. (4 ME)	Anderson
Eckman, L. M. (1 TM)	Jesup, Ga.
Edgeworth, C. B. (1 Arch)*	Cheraw
Edney, E. P. (4 Ar En)	Charleston
Edwards, B. F. (2 ME)	Abbeville
Edwards, J. K. (1 A&S)*	Saluda
Ehrhardt, H. S. (3 Pre-Med)	Ehrhardt
Elder, M. H. (2 Ag En)	Atlanta, Ga.
Eleazer, G. W. (4 TM)	Columbia
Elliott, J. B. (1 A)*	Nichols
Elliott, W. H. (2 A-AH)	Summerville
Ellis, D. H. (3 EE)	Spartanburg
Ellis, E. D. (2 Ar En)*	Charlotte, N. C.
Ellis, J. B. (1 E-ME)*	Kingstree
Ellis, W. R. (3 EE)	Anderson
Ellison, C. H. (1 E-EE)*	Spartanburg
Ellison, L. A. (4 ME)	Great Falls
Ellison, P. D. (1 A-AH)*	Anderson
Ellison, W. R. (3 A&S)	Anderson
Elrod, A. C. (G ME)†	Walhalla
Elrod, B. R. (1 Pre-Med)	Piedmont
Elrod, R. F. (2 A-Ag Ec)	Piedmont
Elrod, W. C. (G ME)†	Walhalla
Emory, W. C. (4 Ind Phys)	Gastonia, N. C.
England, W. D. (1 E-Ag En)*	Westminster
Epps, C. O. (4 Ag En)	Latta
Ervin, J. B. (3 CE)	Florence
Ervin, W. C. (1 E-Ag En)*	Florence
Erwin, H. B. (1 A-AH)*	Abbeville
Eskew, T. F. (1 E-EE)*	Anderson
Eskridge, K. C. (3 AH)	Cheraw
Estes, A. C. (3 TM)	Winnsboro
Estes, B. G. (3 TC)	Ware Shoals
Estes, S. R. (4 Hort)	Greenville
Eubanks, C. L. (1 E-ME)	Summerville
Eubanks, H. O. (3 Arch)	Augusta, Ga.
Eubanks, W. S. (4 AH)	Anderson
Evans, A. W. (1 A&S)	Savannah, Ga.
Evans, C. D. (G)†	Clemson
Evans, C. H. (3 EE)	North Charleston
Evans, D. L. (3 AH)	Holly Hill
Evans, E. L. (2 VAE)	Pamplico
Evans, J. L. (1 TM)	West Orange, N. J.
Evans, J. R. (4 ME)	Anderson
Evans, J. W. (4 TM)	Pinewood
Evans, M. L. (1 A)*	Lake City
Evans, W. D. (3 Agron)	Kingstree
Evatt, A. H. (2 TM)	Easley
Ezell, B. B. (PG Arch)	Spartanburg
Ezell, W. C. (1 VAE)*	Cowpens
Fabian, W. L. (1 TC)*	Charleston
Facchin, G. J. (3 A&S)	Anderson
Faile, F. J. (1 Pre-Med)*	Kershaw
Fairey, H. R. (1 A)*	Orangeburg
Fairey, J. M. (3 A&S)	Orangeburg
Falkner, I. L. (4 Ind Phys)	Charlotte, N. C.

Name and Course	Address
Fanning, W. H. (3 Ar En)	Columbia
Farmer, J. E. (1 E-CE)	Arlington, Va.
Farmer, J. M. (4 TM)	Anderson
Farmer, K. B. (3 Ind Ed)	Tomotla, N. C.
Farmer, L. P. (3 EE)	Spartanburg
Farmer, R. E. (1 Pre-For)*	Newport, Tenn.
Farnsworth, W. W. (1 A&S)*	Greenville
Farriss, C. W. (4 ME)	Charlotte, N. C.
Faucett, J. W. (3 Pre-Med)	Union
Faulkenberry, B. K. (1 E-EE)*	Greenville
Faulkenberry, F. W. (3 ME)	Chester
Faulkenberry, R. E. (1 A-Dairy)*	York
Faulkner, H. G. (3 VAE)	Clover
Featherstone, D. E. (1 TE)*	Hendersonville, N. C.
Feemster, T. R. (1 E-TE)	East Gastonia, N. C.
Felder, A. L. (1 A-Dairy)*	Bowman
Felder, G. V. (1 TM)*	Orangeburg
Fellers, Q. H. (4 TM)	Prosperity
Fellers, R. H. (4 Arch)	Newberry
Fendley, J. E. (4 TM)	Westminster
Fennell, C. A. (1 VAE)	Chester
Fennell, J. E. (4 EE)	Hardeeville
Ferguson, C. R. (2 TM)	Atlanta, Ga.
Ferguson, I. H. (1 E-CE)*	Abbeville
Ferguson, J. C. (3 EE)	West Asheville, N. C.
Ferguson, R. W. (3 CE)	Belmont, N. C.
Ferguson, T. C. (3 EE)	Greenville
Ferguson, T. D. (1 TM)*	Great Falls
Ferguson, T. M. (4 A&S)	York
Ferguson, W. L. (3 Arch)	Spartanburg
Few, B. E. (2 ME)	Pickens
Few, J. C. (1 EE)	York
Ficken, G. E. (2 VAE)	Early Branch
Fickling, H. E. (3 AH)	Ridgeland
Fields, D. A. (2 CE)	Society Hill
Finklea, G. C. (PG Ent)	Florence
Finley, G. E. (1 TM)*	Laurens
Finley, G. L. (4 EE)	Anderson
Flake, J. L. (1 A-Agron)*	Swansea
Fleisher, B. (3 TM)	Waterbury, Conn.
Fleming, C. L. (2 A&S)	Abbeville
Fleming, G. R. (4 TM)	Chester
Fleming, M. L. (2 Arch)	Spartanburg
Fletcher, F. L. (1 Arch)*	Rock Hill
Fletcher, H. W. (1 E-EE)*	McColl
Florence, O. G. (4 ME)	Wrens, Ga.
Flowers, F. M. (2 A-AH)	Darlington
Flowers, J. P. (4 Ag En)	Darlington
Flowers, W. E. (1 Ed)	Lancaster
Floyd, B. (1 E-Ag En)*	Kershaw
Floyd, G. O. (1 E-ME)	McBee
Foard, R. M. (2 CE)	Charlotte, N. C.
Fogle, M. S. (2 A-Agron)	Orangeburg
Folk, E. W. (3 Ch En)	Simpsonville
Folk, J. M. (3 TM)	Bamberg
Folks, J. J. (1 E-TE)	Inverness, Fla.
Fooshe, W. K. (3 TM)	Hodges
Forbes, C. S. (1 A&S)	Washington, D. C.
Ford, D. M. (3 TE)	Clover
Ford, J. K. (1 E-Ag En)*	Atlanta, Ga.
Ford, W. E. (1 TM)	Medford, Mass.
Fore, F. C. (1 VAE)	Mullins
Forgett, V. J. (1 E-ME)*	Teaneck, N. J.
Forlidas, N. J. (2 TE)	Spartanburg
Fort, A. H. (G Ed)*†	Anderson
Fortune, J. C. (1 A-Ag Ec)*	Pickens
Foster, H. B. (2 A-Hort)	Chesnee
Foster, J. B. (3 A&S)	Woodruff
Foster, T. D. (2 Chem)	Spartanburg
Foster, T. S. (4 CE)	Greenville
Foster, W. H. (1 E-CE)	Union
Foster, W. R. (4 Ar En)	Greenville
Fousek, A. L. (1 E-TE)*	Fair Play

Name and Course	Address
Fowler, H. E. (2 VAE)	Greer
Fowler, R. D. (4 TM)	Anderson
Fowler, R. R. (1 TM)*	Laurens
Fowler, W. (4 EE)	Pacolet Mills
Fowler, William C. (2 Arch)	Mullins
Fowler, Willis C. (3 Ar En)	Columbia
Fox, S. W. (2 ME)*	Philadelphia, Pa.
Foy, H. B. (4 Arch)	Waynesville, N. C.
Fraissor, J. (2 EE)	Whitmire
Fraley, V. V. (2 A-Bot)	Florence
Fralick, O. H. (2 Arch)	Walterboro
Franklin, M. S. (2 TM)	Aiken
Franks, H. L. (4 Ed)	Greenville
Fraser, H. E. (2 Pre-Med)	Washington, D. C.
Freeland, M. C. (2 CE)	Plum Branch
Freeman, B. R. (1 E-ME)*	Greenville
Freeman, C. B. (1 Ind Phys)	Westminster
Freeman, J. E. (1 E-ME)	Greenville
Freeman, W. H. (1 A-Hort)	Liberty
Freret, W. A. (1 Arch)*	Decatur, Ga.
Freudenberger, O. L. (2 CE)	St. Petersburg, Fla.
Friar, J. S. (2 ME)	Montmorenci
Friar, R. G. (4 TE)	Montmorenci
Frick, R. A. (1 E-ME)*	Chapin
Frick, R. K. (4 Ind Phys)	Spartanburg
Fricke, D. K. (2 A)	Baldwin, N. Y.
Friddle, W. J. (2 TM)	Greenville
Friend, J. C. (1 E-ME)	Anderson
Frierson, J. L. (3 Hort)	Westminster
Fripp, W. E. (4 Ar En)	Florence
Froelich, R. S. (1 A-Hort)*	Allendale, N. J.
Fry, L. H. (2 ME)*	Cochran, Ga.
Fullum, W. J. (2 TM)	Brooklyn, N. Y.
Fulmer, J. P. (1 A-Hort)*	Augusta, Ga.
Fulmer, J. S. (3 A&S)	Greenville
Funchess, M. D. (4 Ag En)	Rowesville
Furr, E. F. (4 Pre-Med)	Rock Hill
Furse, G. H. (4 VAE)	Summerton
Gabriel, N. R. (3 Ar En)	Memphis, Tenn.
Gaddis, R. S. (3 Ar En)	Taylors
Gaddy, J. D. (4 TM)	McColl
Gaddy, J. M. (3 TM)	Bennettsville
Gaddy, W. D. (2 VAE)*	Chesterfield
Gage, G. (3 TE)	Clemson
Gailey, C. W. (3 TM)	Anderson
Gaillard, J. W. (4 TM)	Walhalla
Gaillard, W. H. D. (3 A&S)	Florence
Gaines, H. P. (4 TM)	Honea Path
Gaines, J. C. (3 ME)	Liberty
Gaines, J. O. (4 Agron)	Townville
Gaines, J. R. (4 TM)	Liberty
Gale, A. D. (2 CE)	Brunswick, Ga.
Galloway, H. F. (1 E-TE)*	Hartsville
Gamble, W. A. (4 VAE)	Charleston
Gambrell, C. B. (Unc)†	Clemson
Gambrell, C. H. (3 EE)	Greenville
Gambrell, F. M. (4 Ag En)	Pendleton
Gambrell, H. D. (1 E-EE)*	Pendleton
Gambrell, H. L. (2 TM)	Pendleton
Gambrell, H. M. (3 Ag En)	Owings
Gandy, V. (2 A-AH)	Florence
Ganyard, T. H. (2 ME)	Miami, Fla.
Gardner, G. N. (2 TM)	Kershaw
Gardner, J. M. (2 Ind Ed)	Hartsville
Gardner, R. B. (1 A&S)	Chesterfield
Gardner, R. W. (2 Ind Ed)	Pritchardville
Gardner, T. B. (2 A-Ag Ec)	Mullins
Garland, J. L. (2 Arch)*	Erwin, Tenn.
Garner, E. A. (2 A-Agron)	Ashburn, Ga.
Garner, J. B. (1 Ar En)*	Cedartown, Ga.
Garren, B. R. (1 A)*	West Asheville, N. C.
Garren, C. H. (4 TM)	Calhoun, Ga.
Garren, D. H. (2 ME)	Easley

Name and Course	Address
Garren, D. M. (4 TE)	Greenville
Garrett, J. B. (4 TM)	Woodruff
Garrett, J. E. (3 ME)	Orangeburg
Garrett, O. S. (2 Ind Ed)	Greenville
Garrison, E. W. (2 TM)	Sandy Springs
Garrison, J. B. (1 TM)	Greenville
Garrison, J. E. (1 A)*	Buffalo, N. Y.
Garrison, R. E. (2 TM)	Greenville
Garrison, R. L. (1 E-TE)*	Pelzer
Garrison, W. H. (3 Arch)	Columbia
Garvin, J. T. (1 E-Ag En)*	Greenwood
Garvin, T. E. (2 A-AH)	Salley
Gasaway, G. P. (4 TM)	Jefferson, Ga.
Gaskin, B. H. (2 A-Hort)*	Kershaw
Gaskin, M. D. (1 Ed)*	Orangeburg
Gassoway, H. B. (3 Dairy)	Honea Path
Gaston, G. L. (2 Arch)	Blacksburg
Gaston, J. M. (3 Dairy)	Richburg
Gatlin, K. A. (3 A&S)	Newberry
Gaulden, F. E. (3 Arch)	Laurens
Gaulden, W. E. (1 E-ME)*	Atlanta, Ga.
Genet, G. T. P. (4 TM)	Georgetown
Gentry, F. T. (1 Ed)	Erwin, Tenn.
Gentry, T. H. (4 VAE)	Summerton
Gerrald, J. E. (2 Pre-Med)	Galivants Ferry
Gettys, R. A. (4 TE)	Rock Hill
Gibbons, L. W. (4 VAE)	Turbeville
Gibson, C. R. (2 TM)	Westminster
Gibson, J. H. (3 Ag En)	Chester
Gibson, R. H. (3 CE)	Waynesville, N. C.
Gibson, T. J. (1 A&S)*	Greenville
Gibson, W. J. (1 A)*	Greer
Gibson, W. T. (1 Ed)*	Port St. Joe, Fla.
Giddings, M. E. (4 CE)	Greenwood
Gilbert, F. C. (3 Hort)	Newberry
Gillespie, F. H. (3 ME)	Greenville
Gillespie, J. F. (2 CE)	Montgomery, Ala.
Gillespie, M. R. (1 A&S)*	Norris
Gillespie, R. L. (3 Pre-Med)	Tams, W. Va.
Gilliam, S. G. (4 AH)	Abbeville
Gilliland, J. F. (3 Ind Ed)	Iva
Gilmore, J. A. (1 E-Ag En)*	Santuck
Gilmore, W. F. (4 Ind Ed)	Santuck
Gilroy, P. W. (PG Chem)	Greenville
Gilstrap, L. C. (1 E-Ag En)*	Pickens
Ginn, J. P. (1 A-AH)	Varnville
Ginn, J. W. (4 AH)	Charleston
Gioiosa, T. E. (1 Ar En)*	Bethesda, Md.
Gissendanner, J. D. (1 E-EE)	Columbia
Glenn, B. A. (3 TM)	Greenville
Glenn, J. D. (4 ME)	Hartsville
Glenn, James M. (1 E-EE)*	Anderson
Glenn, Joe M. (3 TM)	Greer
Gnann, W. N. (3 A&S)	Ridgeland
Godfrey, C. H. (3 ME)	Florence
Godwin, H. F. (2 A-AH)	Lake City
Godwin, J. B. (1 E-CE)*	Lake City
Godwin, J. E. (2 EE)	Montauk Point, N. Y.
Godwin, J. L. (1 Pre-Med)	Summerton
Gohagan, D. B. (Unc)	Furman
Gonseth, W. C. (1 E-CE)*	Brooklyn, N. Y.
Gooch, F. M. (4 Ar En)	Spartanburg
Good, J. H. (3 TM)	Lockhart
Gooding, W. H. (1 Ed)	North Charleston
Goodman, J. W. (4 Ag En)	Mountville
Goodman, R. E. (1 E-ME)*	Clemson
Goodman, W. S. (1 Pre-For)*	Clemson
Gordon, J. C. (1 E-EE)	Liberty
Gorse, A. H. (1 E-EE)*	Charleston
Gossett, T. C. (1 E-TE)*	Fort Mill
Gough, S. W. (2 Ind Ed)	Chester
Graham, A. T. (2 TM)	Scranton
Graham, B. J. (3 Hort)	Kenmore, N. Y.
Graham, B. M. (2 TM)	Rock Hill
Graham, J A. (1 Pre-Med)*	Scranton
Graham, J. R. (3 VAE)	Inman
Graham, M. B. (1 A)*	Loris
Graham, R. B. (3 TM)	Anderson
Graham, T. A. (1 A-Agron)	Seneca
Grainger, C. R. (1 A)*	Nichols
Grainger, E. M. (2 A)	Nichols
Grainger, H. J. (1 A-AH)*	Tabor City, N. C.
Granade, J. M. (1 TM)*	Aiken
Grant, S. J. (2 CE)	Darlington
Grant, W. E. (G Chem)	Chester
Gray, C. J. (2 TC)	Anderson
Greenan, J. A. (2 EE)*	Philadelphia, Pa.
Green, F. H. (4 EE)	Griffin, Ga.
Greene, C. R (4 TE)	Newry
Greene, E L. (3 Ar En)	Taylors
Greene, F. A. (1 E-CE)*	Greer
Greene, J. E. (1 A)*	Greenville
Greer, F. (2 ME)	Duncan
Greer, J. M. (3 VAE)	Westminster
Gregg, R. L. (3 TM)	Asheville, N. C.
Gregg, W A. (1 TM)*	Clearwater
Gregg, W. B. (4 Ind Ed)	Kingstree
Gregory, C. S. (1 Chem)*	St. Johns, Mich.
Gregory, J. W. (3 Agron)	Union
Gregory, W C. (4 Ar En)	Chesnee
Gressette, W. C. (3 TM)	Florence
Grey, W. H. (1 TM)*	Greenville
Grice, G. D. (4 A&S)	Charleston
Griffin, B. L. (3 EE)	Central
Griffith, W. A. (2 TM)	Lancaster
Grigsby, B. L. (3 VAE)	Saluda
Grist, W. L. (3 TM)	York
Grubbs, R. J. (3 CE)	Westminster
Guest, C. M. (Unc)†	Clemson
Gulledge, L. M. (3 Ag Ec)	Wedgefield
Gunby, F. M. (4 ME)	Winchester, Mass.
Gunnin, E. A. (4 Ar En)	Starr
Guyton, R. D. (1 E-ME)*	Pelzer
Gwinn, N. S. (4 TE)	Woodruff
Haddon, F. M. (2 TM)	Anderson
Haddon, H. A. (1 TM)	Rock Hill
Hadsock, H. S. (2 TM)	McCormick
Hagan, C. M. (1 E-EE)*	Longport, N. J.
Hagan, J. D. (1 TM)	Union
Hagan, L. D. (2 TM)	Greenwood
Haigler, D. G. (4 AH)	Cameron
Haigler, E. V. (4 Agron)	Cameron
Hair, A. B. (1 TM)	Williamston
Hair, C. A. (4 Ar En)	Fairfax
Hair, J. T. (1 E-TE)*	Aiken
Hair, W. E. (1 E-CE)	Westminster
Hair, W. W. (1 Ed)	Canadys
Hale, W. R. (3 CE)	Greenville
Halifax, J. F. (1 E-EE)*	Savannah, Ga.
Hall, B. B. (2 A&S)*	Mt. Pleasant
Hall, C. E. (3 EE)	Anderson
Hall, Charles L. (1 E-CE)*	Greenville
Hall, Conrad L. (4 TM)	Winnsboro
Hall, D. R. (1 A-AH)	York
Hall, E. E. (1 E-Ag En)*	Florence
Hall, F. N. (4 TE)	Spartanburg
Hall, H. T. (4 VAE)	Bethune
Hall, J. M. (3 Agron)	Camden
Hall, P. W. (1 A-Ag Ec)*	Pendleton
Hall, R. C. (1 A)*	Mt. Ulla, N. C.
Hall, S E. (2 EE)	Turtletown, Tenn.
Hall, T. C. (4 VAE)	Mt. Ulla, N. C.
Hall, W. C. (1 E-CE)*	Ridgeland
Hall, W. E. (1 A&S)	Anderson
Hallman, C. A. (1 E-TE)	Springfield
Hamer, C. P. (3 Agron)	Tatum
Hamer, J. W. (4 Arch)	Tatum
Hamilton, C. H. (3 TM)	Atlanta, Ga.

Name and Course	Address
Hamilton, E. H. (3 ME)	Seneca
Hamilton, F. P. (4 Ed)	Seneca
Hamilton, J. E. (3 CE)	Graniteville
Hamilton, J. M. (1 A-Dairy)*	Chester
Hamilton, L. C. (4 Hort)	Easley
Hamilton, W. H. (1 E-ME)*	Garnett
Hamilton, W. R. (2 CE)	Durham, N. C.
Hamlin, P. R. (2 EE)*	Brevard, N. C.
Hammett, T. B. (2 A-Agron)	Inman
Hammett, W. K. (3 TC)	Inman
Hammond, G. F. (3 VAE)	Seneca
Hammond, H. D. (4 Ag Ec)	Seneca
Hammond, J. C. (4 VAE)	Aiken
Hammond, L. H. (3 Ag Ec)	Seneca
Hammond, O. P. (4 AH)	Fair Bluff, N. C.
Hampton, C. O. (2 ME)	Greenville
Hampton, L. W. (2 TM)	Spartanburg
Hamrick, R. Y. (4 TE)	Boiling Springs, N. C.
Hamrick, S. L. (3 TM)	Wattsville
Hamrick, W. L. (4 TM)	Gaffney
Hanahan, W. O. (1 E-Ch En)*	Charleston
Hance, C. W. (1 A-AH)*	Heath Springs
Hance, H. L. (4 CE)	Lancaster
Hance, M. H. (2 TM)	Heath Springs
Hancock, A. B. (2 TM)	Ruby
Hancock, Harold (3 Hort)	Ruby
Hancock, Harris (3 Hort)	Ruby
Hanks, F. L. (1 E-EE)	Anderson
Hanna, E. H. (4 Agron)	Gifford
Hanna, J. E. (1 E-ME)*	Woodruff
Hanna, J. M. (1 E-ME)*	Mooresville, N. C.
Hanna, R. G. (PG TE)	Bennettsville
Hannah, G. R. (4 AH)	Columbia
Hanrahan, R. W. (1 E-EE)	Washington, D. C.
Harbin, W. H. (1 E-ME)*	Seneca
Hardaway, H. M. (4 CE)	Dillon
Hardee, H. B. (3 AH)	Loris
Hardee, O. L. (3 VAE)	Andrews
Hardin, E. G. (G Chem)*†	Shelby, N. C.
Hardin, J. I. (1 A)*	Grover, N. C.
Hardman, G. (1 E-EE)*	Warner Robins, Ga.
Hardwick, J. C. (2 A-Agron)	Conway
Hardwick, J. H. (4 Agron)	Conway
Hardwick, L. D. (4 Ind Ed)	Rock Hill
Hardy, G. L. (1 E-Ag En)*	Johnston
Hare, E. B. (2 A-Hort)	Lake Wales, Fla.
Hare, J. F. (2 ME)	Lake Wales, Fla.
Hare, W. W. (4 Ag En)	Madison
Harley, J. H. (Unc)†	Clemson
Harley, J. P. (3 Agron)	Trenton
Harling, W. W. (1 E-EE)*	Simpsonville
Harllee, A. H. (1 E-Cr En)	Florence
Harmon, B. G. (2 TM)	Newberry
Harper, J. E. (2 TM)	Seneca
Harper, J. G. (3 A&S)	Anderson
Harper, L. H. (1 E-ME)*	Charleston
Harper, W. W. (3 TE)	Seneca
Harrell, S. S. (1 A-AH)	Ferndale, Mich.
Harrelson, M. W. (G)†	Clemson
Harrill, B. H. (3 ME)	Bennettsville
Harris, D. D. (4 ME)	Laurens
Harris, G. S. (4 CE)	Daytona Beach, Fla.
Harris, G. W. (1 A-AH)*	Ridgeland
Harris, H. S. (3 CE)	Union
Harris, J. E. (2 TE)	Greenwood
Harris, M. B. (1 A)*	Anderson
Harris, W. A. (3 VAE)	Seneca
Harrison, A. C. (4 TM)	Spartanburg
Harrison, H. D. (1 Pre-For)*	Clemson
Harrison, H. H. (4 Ind Ed)	Pendleton
Harrison, J. A. (4 ME)	Clemson
Harrison, M. M. (G VAE)	Pelzer
Harrison, R. W. (2 VAE)*	Rock Hill
Hart, E. C. (3 VAE)	Florence
Hart, J. D. (4 EE)	Kelton
Hart, K. R. (1 TC)	Rock Hill
Hart, R. M. (4 ME)	Tournapull, Ga.
Hartin, D. O. (4 TM)	Greenville
Hartney, E. C. (1 Arch)*	Daytona Beach, Fla.
Harvell, H. D. (1 Arch)*	Greenville
Harvey, N. L. (2 Ag En)	Summerville
Harvey, P. N. (2 TE)	Clover
Harvey, W. Y. (1 Pre-For)*	Cartersville, Ga.
Hasek, W. J. J. (3 Chem)	Carteret, N. J.
Haselden, F. O. (4 Ag En)	Scranton
Hasell, A H. (1 Pre-Med)	Columbia
Hastings, E. D. (2 Ag En)	Norfolk, Va.
Hastings, J. W. (4 TM)	Chester
Hastings, S. W. (4 Hort)	Norfolk, Va.
Hatchell, E. L. (1 E-CE)*	Charleston
Hattaway, J. A. (1 E-EE)*	Greenville
Haugk, D. C. (2 TE)	Jersey City, N. J.
Hauser, G. T. (1 TM)	Caldwell, N. J.
Hawkins, D. A. (2 Ed)	Atlanta, Ga.
Hawkins, E. H. (1 A&S)*	Ducktown, Tenn.
Hawkins, G. R. (2 TM)	Newberry
Hawkins, J. C. (3 TM)	Greenville
Hawkins, J. W. (G TC)*	North Charleston
Hawkins, T. R. (2 A-Dairy)	Greenwood
Hawthorne, J. A. (1 E-ME)*	Pittsburgh, Pa.
Hayden, J. L. (2 A-AH)	Walterboro
Hayes, G. (3 Ind Phys)	Ellenton
Hayes, R. D. (2 A-Ent)	Pickens
Hayes, W. C. (2 TM)	Travelers Rest
Hayes, W. H. (2 A-Dairy)	Harris, N. C.
Haynes, G. C. (4 CE)	Cliffside, N. C.
Haynie, G. W. (1 Pre-Med)*	Belton
Haynie, H. A. (3 TM)	Anderson
Hayslip, C. C. (4 ME)	Spartanburg
Hazle, J. D. (4 TE)	Woodruff
Hazle, P. B. (1 TM)	Woodruff
Head, C. M. (4 CE)	Greenville
Head, H. A. (3 ME)	Bartow, Fla.
Healan, R. W. (4 CE)	Rock Hill
Heape, C. (1 VAE)	Luray
Heatley, S. M. (1 E-EE)	Moncks Corner
Hedden, F. F. (1 Pre-Med)*	Walhalla
Hedden, G. C. (4 Arch)	Badin, N. C.
Hedden, J. R. (1 E-ME)*	Badin, N. C.
Hedgepath, H. D. (4 Arch)	Columbia
Hefley, E. M. (1 E-TE)*	Rock Hill
Heinbockel, R. H. (4 TM)	Manhasset, N. Y.
Heins, C. H. (3 ME)	Charleston
Helms, W. E. (3 Arch)	Molino, Fla.
Hendley, D. L. (2 TM)	Greenville
Hendricks, D. (3AH)	Liberty
Hendrix, B. G. (1 E-Ag En)*	Greenville
Henegar, J. R. (2 ME)	Spartanburg
Heniford, D. O. (3 Pre-Med)	Loris
Henry, J. D. (3 ME)	Simpsonville
Henry, L. L. (1 A&S)*	Clemson
Herbert, Albert M. (1 E-EE)	Orangeburg
Herbert, Andrew M. (4 ME)	Piedmont
Herbert, A. R. (1 TM)*	Bamberg
Herlocker, J. M. (1 A-AH)*	Charlotte, N. C.
Herlong, B. H. (4 Ag En)	Saluda
Herlong, D. P. (2 Ed)	Rock Hill
Herlong, J. P. (1 TC)*	Saluda
Heron, T. G. (3 EE)	Parr
Herring, J. W. (3 A&S)	Spartanburg
Herring, L. B. (1 E-EE)*	Dillon
Herring, R. C. (4 Agron)	Marion
Hester, F. T. (1 TM)	Greenville
Heustess, J. C. (2 A-Dairy)	Winnsboro

Name and Course	Address
Hewitt, R. T. (4 AH)	Florence
Heyer, J. L. (1 A-Agron)	Butler, Pa.
Hicks, B. D. (3 TM)	Fort Mill
Hicks, J. C. (1 A)*	Apopka, Fla.
Hicks, R. A. (4 TM)	Gastonia, N. C.
Hicks, R. G. (4 ME)	Spartanburg
Hiers, F. R. (1 E-EE)*	Bamberg
Hiers, H. F. (1 Pre-For)*	Charleston
Hiers, J. E. (1 A-Agron)	Ehrhardt
High, R. E. (2 TM)	Little River
Hildebrand, E. J. (3 ME)	Washington, D. C.
Hill, B. L. (1 TM)*	McColl
Hill, Charles E. (2 A-Hort)	Charleston
Hill, Clarence E. (3 TM)	Greenville
Hill, F. B. (2 A)	Seneca
Hill, F. D. (4 TM)	Spartanburg
Hill, H. L. (1 E-TE)*	Toccoa, Georgia
Hill, J. D. (3 ME)	Greenville
Hill, J. K. (1 E-EE)*	Belton
Hill, K. F. (1 VAE)*	Pelzer
Hill, R. L. (3 EE)	Anderson
Hill, T. A. (4 Ag En)	Florence
Hill, T. D. (1 TM)*	Varnville
Hilla, E. A. (3 Arch)	Newark, N. J.
Hiller, J. W. (3 Arch)	Greenville
Hiller, R. E. (4 Ind Phys)	Greenville
Hines, J. R. (2 A&S)	St. Petersburg, Fla.
Hinson, D. R. (1 TM)	Kershaw
Hinson, E. M. (1 E-ME)*	Columbia
Hinson, J. C. (1 Ind Ed)	Columbia
Hinson, J. F. (2 ME)	Lynchburg
Hinson, J. L. (1 E-Ch En)*	Baltimore, Md.
Hinton, C. R. (2 A-AH)	Ninety Six
Hipp, C. W. (1 E-ME)*	Greenwood
Hipp, J. F. (1 Arch)*	Newberry
Hittinger, E. M. (2 EE)	Weatherly, Pa.
Hodge, Cecil R. (4 Ent)	Alcolu
Hodge, Charles R. (1 TM)	Pelzer
Hodge, S. E. (4 CE)	Georgetown
Hodge, S. L. (1 Ind Phys)*	Jacksonville, Fla.
Hodges, M. W. (1 E-ME)*	Atlanta, Ga.
Hodges, W. J. (1 E-CE)*	Ware Shoals
Hoffmann, F. C. (3 TM)	New York, N. Y.
Hoffmann, R. C. (4 TM)	Fanwood, N. J.
Hogan, C. S. (4 EE)	North Augusta
Hogg, H. R. (2 A-Dairy)	Hillside, N. J.
Holcombe, B. F. (2 ME)	Central
Holcombe, C. W. (4 TE)	Greenville
Holcombe, F. J. (2 A)	Summit, N. J.
Holcombe, M. W. (1 E-EE)*	Central
Holder, R. (4 Dairy)	Union
Holland, G. H. (3 AH)	Fountain Inn
Holland, J. C. (2 ME)	Mooresboro, N. C.
Holland, R. L. (1 VAE)*	McClellanville
Holleman, S. (G Ed)*†	Seneca
Holley, E. E. (2 A-AH)	Aiken
Holliday, C. A. (3 VAE)	Six Mile
Holliday, J. J. (2 Pre-Med)	Florence
Holliday, W. F. (1 E-ME)	Piedmont
Holliday, W. T. (1 E-TE)	Greer
Hollingsworth, R. T. (1 A-AH)*	Cross Hill
Hollis, C. E. (3 TM)	Central
Hollis, J. T. (4 Arch)	Union
Hollowell, J. G. (1 E-ME)*	Mt. Pleasant
Holmes, J. C. (1 VAE)*	Conway
Holroyd, R. F. (3 A&S)	Anderson
Holshouser, W. A. (4 A&S)	Erwin, Tenn.
Holson, J. W. (1 Pre-Med)*	Edgefield
Holt, J. E. (2 ME)	Sellers
Holt, W. D. (1 VAE)*	Jacksonville, Fla.
Hood. C. D. (2 EE)	McCormick
Hood, R. W. (4 EE)	Greenville
Hood, W. C. (3 Ch En)	Easley
Hooper, J. B. (2 TM)	Anderson
Hooton, W. A. (3 TM)	North Augusta
Hoover, E. A. (1 E-ME)*	North Charleston
Hoover, J. A. (2 ME)	North Charleston
Hope, R. M. (2 A-Poul)	Rock Hill
Hopkins, A. R. (4 Ent)	Pendleton
Hopper, I. D. (4 TM)	Chester
Hord, H. E. (3 EE)	Sharon
Horne, B. S. (3 A&S)	Charleston
Horne, C. C. (3 EE)	Charleston
Hornick, F. J. (2 VAE)	Fair Play
Horton, E. M. (4 ME)	Spartanburg
Horton, S. R. (3 TM)	Rock Hill
Hough, J. T. (2 Cr En)	Charlotte, N. C.
Houston, W. M. (3 CE)	Easley
Howard, A. M. (4 A&S)	Greenville
Howard, H. E. (2 ME)	Charleston
Howard, L. T. (1 TC)*	Fort Mill
Howard, R. I. (1 TM)*	Greenwood
Howard, R. S. (1 Pre-Med)*	Albany, Ga.
Howe, D. W. (1 VAE)*	Hickory Grove
Howell, C. R. (1 TM)*	Waynesville, N. C.
Howell, J. H. (2 Ch En)*	Columbia
Howell, J. I. (3 Pre-Med)	Spartanburg
Howell, N. A. (4 TE)	College Park, Ga.
Howey, E. D. (1 VAE)*	Fort Mill
Howie, C. O. (1 E-TE)*	Mooresville, N. C.
Howle, C. W. (1 Chem)*	Florence
Howle, D. M. (4 Ag En)	Darlington
Howle, T. L. (4 TC)	Florence
Hromi, J. D. (PG EE)†	Clemson
Hubert, A. T. (1 A)*	Lexington, Va.
Huckabee, J. L. (3 TM)	Marion
Hucks, C. C. (2 Ag En)	Aynor
Hudgens, J. M. (3 EE)	Laurens
Hudson, H. A. (3 VAE)	Walhalla
Hudson, J. C. (1 Ed)*	North Charleston
Hudson, J. P. (1 E-TE)*	Decatur, Ga.
Hudson, J. W. (2 TM)	Greenville
Hudson, P. B. (4 TM)	West Union
Hudson, Richard W. (4 EE)	Sumter
Hudson, Robert W. (2 Ed)	North Charleston
Huff, C. E. (4 TM)	Woodruff
Huff, C. H. (1 A&S)	Hartsville
Huff, O. F. (4 Agron)	Branchville
Huff, P. L. (1 E-CE)*	Greenville
Huffman, J. L. (3 VAE)	Newberry
Huggins, C. B. (2 VAE)*	Gaffney
Huggins, K. L. (2 A-Agron)	Mullins
Huggins, N. P. (2 Pre-For)	Mullins
Huggins, T. E. (1 E-EE)*	Hemingway
Hughes, H. W. (2 Ar En)*	Martinez, Ga.
Hughes, R. L. (2 VAE)	Edgefield
Hughes, W. T. (1 E-ME)*	Montmorenci
Huguley, B. L. (2 Ed)	McCormick
Huiet, G. E. (PG Ar En)	Trenton
Hulon, H. E. (2 TM)	Union
Hungerpiller, J. S. (1 VAE)*	Edgefield
Hunsuck, E. E. (4 Pre-Med)	Whitney
Hunsuck, W. F. (4 ME)	Whitney
Hunsucker, W. J. (1 A)*	Society Hill
Hunt, J. F. (4 Ed)	Liberty
Hunt, R. C. (1 E-TE)*	Winnsboro
Hunter, J. R. (4 Arch)	Lancaster
Hunter, J. W. (2 A-AH)	Liberty
Hunter, M. P. (3 AH)	Ora
Hutchenson, D. R. (1 A&S)*	Wagener
Hutchins, D. C. (2 VAE)	Walhalla
Hutchinson, C. G. (3 VAE)	Nichols
Hutson, A. C. (1 Pre-Med)*	Seabrook
Hutto, C. F. (1 E-EE)*	Bamberg
Hutto, G. A. (1 TC)*	Fort Mill
Hutto, L. O. (1 Ed)*	Batesburg
Huxford, T. C. (1 E-Ag En)*	Bonneau

Name and Course	Address
Hyder, A. G. (2 A&S)	Anderson
Hyder, J. D. (2 TM)	Anderson
Hyland, C. M. (3 Arch)	Wollaston, Mass.
Iler, C. B. (1 TM)*	Greenville
Ingle, J. A. (4 TC)	Asheville, N. C.
Ingram, H. W. (2 ME)	Rockingham, N. C.
Ingram, J. H. (2 TM)*	Greenwood
Inman, C. M. (3 AH)	York
Inman, G. A. (1 A-Ent)*	Columbia
Ireland, C. P. (2 A-Agron)	Savannah, Ga.
Isaacs, O. F. (1 A-Ent)	Chester
Isenhour, E. F. (1 E-CE)*	Newton, N. C.
Isenhour, G. R. (2 TM)	Hickory, N. C.
Islam, M. H. (PG TC & TE)*	Pakistan, India
Ivester, J. M. (3 TM)	Greenville
Ix, J. A. (2 TM)	Charlottesville, Va.
Jackson, J. M. (4 ME)	Rock Hill
Jackson, J. W. (2 ME)	Graniteville
Jackson, R. A. (1 Pre-Med)*	Kingstree
Jackson, R. S. (4 VAE)	Manning
Jackson, S. L. (1 A-Dairy)	Tabor City, N. C.
Jackson, T. F. (4 AH)	Clover
Jackson, W. F. (2 Arch)	Rock Hill
Jackson, W. M. (2 Ar En)	Washington, D. C.
Jacobs, R. F. (3 ME)	West Columbia
Jacques, J. R. (G Phys)†	Ware Shoals
Jaffe, S. (2 EE)	Charleston
James, J. H. (3 ME)	Statesville, N. C.
James, J. J. (4 TM)	Pendleton
James, R. E. (1 E-TE)*	Wellfleet, Mass.
Jameson, H. D. (1 Pre-For)	Easley
Jameson, J. D. (1 E-CE)*	Greenville
Jameson, J. M. (1 A-Ag Ec)	Liberty
Jameson, R. B. (1 A-AH)*	Pendleton
Jamieson, W. H. (1 TM)*	Greenwood
Jamison, T. W. (3 EE)	Trenton
Jarrett, F. A. (3 TM)	Chester
Jeffcoat, G. C. (4 Ag En)	Cope
Jeffords, C. Q. (3 ME)	Florence
Jeffords, L. G. (4 Ag En)	Timmonsville
Jeffords, T. H. (2 A-AH)	Florence
Jenkins, A. C. (3 Agron)	Clemson
Jenkins, H. H. (1 Chem)*	Atlanta, Ga.
Jenkins, H. S. (3 Hort)	Wadmalaw Island
Jenkins, J. S. (4 ME)	Gastonia, N. C.
Jenkins, M. C. (4 Agron)	Allendale
Jenkins, R. F. (G TC)†	Clemson
Jenkins, W. J. (3 Hort)	Osborn
Johns, E. M. (4 TM)	Spartanburg
Johns, G. J. (2 EE)*	Pittsburgh, Pa.
Johnson, C. L. (3 Ar En)	Sumter
Johnson, C. M. (1 A&S)	Tampa, Fla.
Johnson, F. M. (2 A-AH)	Effingham
Johnson, H. F. (1 TM)*	Inman
Johnson, H. J. (2 EE)	Darlington
Johnson, H. P. (1 TM)*	Lancaster
Johnson, H. T. (3 VAE)	Inman
Johnson, J. A. (4 TM)	Warrenville
Johnson, J. E. (2 ME)	Reidsville, N. C.
Johnson, J. K. (4 ME)	Clinton
Johnson, J. R. (1 E-Ch En)*	Orangeburg
Johnson, L. C. (1 Pre-Med)*	Charleston
Johnson, L. J. (1 TM)*	Marion
Johnson, R. B. (2 A-AH)	Sumter
Johnson, R. D. (1 E-CE)*	Charlotte, N. C.
Johnson, R. N. (2 CE)	Marion
Johnson, W. V. (2 ME)	Greenville
Johnston, T. E. (4 VAE)	Moncks Corner
Jolley, B. B. (1 E-TE)*	Fitzgerald, Ga.
Jolly, J. (3 ME)	Gaffney
Jones, A. L. (3 Ag En)	Saluda
Jones, C. E. (2 TM)	Gaffney
Jones, C. L. (2 A-AH)	Ridgeway
Jones, D. M. (2 A-Agron)	Glenn Springs
Jones, E. D. (4 TM)	Greer
Jones, E. E. (1 E-ME)*	Savannah, Ga.
Jones, Grady R. (1 TM)*	Belton
Jones, Guy R. (3 AH)	Buffalo
Jones, G. W. (3 TM)	Bishopville
Jones, J. (1 A&S)*	Greer
Jones, James D. (4 TM)	Fort Mill
Jones, Joseph D. (4 ME)	Marietta
Jones, James E. (1 TM)*	Ware Shoals
Jones, Jimmy E. (2 TM)	Belton
Jones, J. H. (4 TM)	Spartanburg
Jones, J. O. (3 TM)	Greenville
Jones, M. L. (1 A-AH)*	Lugoff
Jones, M. W. (G EE)†	Clemson
Jones, P. H. (1 A-Agron)	Mullins
Jones, R. L. (3 ME)	Pauline
Jones, R. W. (3 Ar En)	Spartanburg
Jones, T. O. (3 TE)	Newberry
Jones, T. W. (1 E-CE)	Bishopville
Jones, W. A. (3 Ag En)	Neeses
Jones, W. E. (1 E-ME)	Durham, N. C.
Jordan, A. B. (4 Ind Ed)	Bishopville
Jordan, H. A. (2 VAE)	Hartsville
Jordan, J. Earl (1 A-AH)*	Florence
Jordan, J. Edward (1 E-CE)*	Greer
Jowers, Q. A. (1 VAE)	Williston
Joyner, R. S. (G VAE)	Ward
Judy, D. T. (1 E-Ag En)*	Orangeburg
Jumper, H. M. (1 Pre-Med)*	Gastonia, N. C.
Justus, H. A. (1 A-AH)	Hendersonville, N. C.
Kamine, A. (2 Ar En)	Paterson, N. J.
Karst, W. B. (3 ME)	Greenville
Kates, G. S. (3 TE)	Anderson
Kay, D. O. (1 TM)*	Chesnee
Kay, R. J. (2 TE)	Trenton, N. J.
Kea, H. M. (2 A-Dairy)	Rocky Ford, Ga.
Kearse, C. M. (1 Pre-For)	Olar
Kearse, W. S. (4 Ag Ec)	Yonges Island
Keasler, R. L. (2 TM)	Westminster
Keasler, W. B. (4 EE)	Inman
Keasler, W. H. (4 TC)	Westminster
Keene, W. M. (3 Ar En)	Spartanburg
Keith, J. M. (1 VAE)	Chappells
Keith, T. C. (3 Hort)	Pickens
Kelley, E. A. (4 Pre-Med)	Greer
Kelly, C. R. (4 Arch)	Charleston
Kelly, James W. (4 Arch)	Anderson
Kelly, John W. (3 Arch)	Central
Kelly, W. D. (3 Agron)	Leesville
Kempson, O. B. (1 TM)*	Kingstree
Kendra, F. S. (2 EE)	Ford City, Pa.
Kendrick, T. B. (3 Arch)	Spartanburg
Kennedy, C. W. (1 E-TE)	Greenville
Kennedy, F. D. (1 Ed)*	Midland, Pa.
Kennemore, C. M. (4 A&S)	Easley
Kennette, G. L. (2 TM)	Wellford
Kennette, T. F. (1 TM)*	Wellford
Kennette, W. H. (4 TM)	Wellford
Kennington, V. W. (1 TM)*	Lancaster
Kerr, W. E. (1 VAE)*	Pineville, N. C.
Kersey, R. N. (Unc)*†	Clemson
Kesler, P. L. (2 CE)*	Lavonia, Ga.
Key, J. T. (2 EE)	Columbia
Kilpatrick, J. C. (1 E-Ch En)*	Charleston
Killingsworth, A. B. (3 EE)	Aiken
Kinard, G. C. (G Ed)†	Walhalla
Kinard, H. J. (1 E-TE)*	Greenwood
Kinard, K. M. (1A-Ag Ec)*	Ruffin
Kinard, R. H. (3 Agron)	Islandton
Kinard, W. J. (1 E-Ag En)*	Smoaks
Kincaid, W. L. (G Phys)†	Salisbury, N. C.
King, E. L. (4 AH)	Chesterfield
King, F. D. (1 TM)*	Seneca

Name and Course	Address
King, Harry L. (1 E CE)*	Atlanta, Ga.
King, Henry L. (2 CE)	Clemson
King, J. C. (3 Ag En)	McBee
King, J. H. (4 Pre-Med)	Loris
King, J. L. (1 A-Agron)	Greenville
King, J. R. (1 TM)	Cincinnati, Ohio
King, J. T. (1 E-CE)*	Loris
King, L. C. (1 TM)*	West Columbia
King, L. O. (2 Ar En)	Anderson
King, M. J. (3 A&S)	Belton
King, R. L. (1 TM)	Abbeville
King, T. A. (1 TM)	Anderson
Kinlaw, J. A. (2 VAE)	Lumberton, N. C.
Kinney, M. E. (2 TM)	Valley Stream, N. Y.
Kinsler, J. D. (1 E-ME)*	Central
Kirby, D. A. (3 AH)	Timmonsville
Kirby, H. P. (1 TM)*	Drayton
Kirby, W. M. (3 TM)	Laurens
Kirkpatrick, W. B. (1 A)*	Winnsboro
Kirsch, I. (1 E-TE)*	New York, N. Y.
Kizer, L. E. (3 Agron)	Florence
Klinck, D. C. (2 ME)	North Augusta
Knight, A. M. (1 E-EE)*	Simpsonville
Knight, E. L. (G)	Andrews
Knight, E. R. (2 Ag En)	Cheraw
Knight, J. C. (3 EE)	Summerville
Knight, L. A. (4 TM)	Greenville
Knight, R. H. (3 Ed)	Rock Hill
Knight, W. D. (1 E-TE)*	Aiken
Knoebel, F. W. (2 ME)	West Orange, N. J.
Kohn, S. H. (2 Ind Ed)	Charleston
Koon, J. A. (2 TM)	Whitmire
Koon, R. B. (1 TC)*	Lancaster
Kozlow, A. (2 ME)*	Philadelphia, Pa.
Krause, J. G. (2 A-Dairy)*	Union Mills, N. C.
Krissak, R. F. (1 E-Ch En)*	Carteret, N. J.
Kyzer, P. H. (1 E-TE)*	Leesville
Labra, G. P. (3 Ar En)	Brooklyn, N. Y.
LaBrasca, G. (4 A&S)	Charleston
Lacey, J. R. (4 VAE)	Ravenel
Lachicotte, W. F. (4 AH)	Pawleys Island
Lackey, F. V. (1 VAE)	Lake City
Laffoday, W. C. (3 A&S)	Lamar
Lambert, J. W. (2 TM)	Woodruff
LaMontagne, J. L. (1 E-CE)*	Sumter
Lamoreux, C. O. (4 TE)	Spartanburg
Lancaster, B. S. (3 TM)	Jonesville
Lancaster, F. L. (4 ME)	Port Royal
Land, J. E. (2 ME)	Buffalo
Landrum, J. B. (3 Arch)	Columbia
Laney, D. F. (1 A)*	Bishopville
Langford, T. H. (4 A&S)	Ridgeland
Langley, I. L. (2 TM)	Lynchburg, Va.
Langley, J. F. (4 Ar En)	Conway
Langston, C. L. (3 TM)	Darlington
Langston, M. A. (3 Agron)	Timmonsville
Lanham, J. P. (3 Dairy)	Edgefield
Lark, H. J. (4 EE)	Easley
Lark, R. E. (4 TM)	Greenville
LaRoche, J. J. (1 E-ME)	Charleston
Latham, D. L. (4 TM)	Iva
Lathem, R. C. (G)†	Clemson
Latt, J. G. (1 E-CE)	Hendersonville, N. C.
Laughlin, R. C. (4 TM)	Florence
Lawrence, J. M. (4 Ag Ec)	Seneca
Lawrence, R. T. (3 Arch)	Memphis, Tenn.
Lawrimore, I. B. (2 Agron)	Hemingway
Lawrimore, R. C. (1 A&S)*	Georgetown
Lawson, L. C. (1 A-Agron)*	Darlington
Lawson, T. W. (1 TM)*	Cornelia, Ga.
Lawton, H. T. (1 Arch)*	Estill
Lay, B. S. (2 Ag En)	Westminster
Lay, C. W. (1 E-Ag En)	West Union
Lay, J. F. (4 Ag En)	Central
Layton, R. D. (1 TM)	Anderson
Leavy, C. F. (3 CE)	Brunswick, Ga.
Lebert, E. U. (1 TM)*	North Adams, Mass.
Ledbetter, N. G. (2 EE)*	Columbia
Lee, D. L. (4 TE)	Fort Mill
Lee, G. A. (1 Cr En)*	Walhalla
Lee, W. A. (4 CE)	Elberton, Ga.
LeFevre, L. B. (4 ME)	Augusta, Ga.
Leffard, J. H. (1 E-EE)*	McKeesport, Pa.
Lefort, H. G. (2 EE)	Upper Marlboro, Md.
Legare, L. N. (1 TM)	Moultrieville
LeGette, M. A. (2 Ind Phys)	Floral Park, N. Y.
LeGrand, D. C. (3 TM)	Greenville
Lehman, J. H. (1 A-AH)*	Montreal, Canada
Leland, A. W. (1 A-AH)*	Wadmalaw Island
Lemmon, O. C. (1 A-AH)	Latta
Leonard, D. H. (1 TM)*	Anderson
Leonard, G. T. (3 Hort)	Asheville, N. C.
Leopard, E. M. (3 TM)	Woodruff
LeRoy, J. L. (3 Pre-For)	Troy
Lesley, J. B. (3 A&S)	Easley
Lesslie, W. P. (2 Pre-Med)	Rock Hill
Levenson, B. (4 ME)	Brooklyn, N. Y.
Lever, H. J. (1 A-AH)*	McConnellsville
Lever, J. J. (4 Ag Ec)	Anderson
Lever, M. D. (4 AH)	McConnellsville
Lever, O. R. (3 A&S)	Naval Base
Levy, M. A. (4 Arch)	Naval Base
Lewis, D. B. (3 AH)	Mullins
Lewis, H. W. (1 A-Dairy)	Yonkers, N. Y.
Lewis, K. E. (3 AH)	Mullins
Lewis, M. L. (1 A)*	Myrtle Beach
Lewis, R. S. (4 ME)	Washington, D. C.
Lewis, T. W. (4 Chem)	Spartanburg
Lewis, W. H. (3 TM)	Pickens
Lewis, W. L. (1 E-EE)*	Calhoun, Ga.
Leysath, H. H. (2 A-Agron)	North
Liebenrood, A. E. (2 A-AH)	Mt. Pleasant
Liebenrood, G. H. (2 A-AH)	Mt. Pleasant
Lightsey, D. G. (1 A-Agron)	Fairfax
Lightsey, H. M. (2 A-Agron)	Columbia
Ligon, C. L. (1 E-ME)*	Heath Springs
Ligon, H. B. (4 Pre-Med)	Iva
Ligon, W. E. (1 A)*	Easley
Lindler, B. J. (1 VAE)*	Saluda
Lindler, F. M. (1 E-ME)*	Startex
Lindsay, J. B. (3 Arch)	Clemson
Lindsay, J. D. (1 A-Agron)*	Clemson
Lindsay, R. J. (2 TM)	Clemson
Lindsey, F. M. (1 E-CE)	Taylors
Lindstedt, G. W. (2 A&S)	Holly Hill
Lineberger, T. E. (4 Ind Ed)	Greenville
Link, J. B. (2 CE)	McCormick
Lipton, J. J. (3 Pre-Med)	Beaufort
Lipton, M. (Unc)†	Clemson
Liston, J. W. (2 A&S)	Smoaks
Littlejohn, G. W. (2 VAE)	Cowpens
Littlejohn, H. B. (4 VAE)	Pacolet
Littlejohn, J. N. (2 A-Hort)	Sumter
Littlejohn, L. S. (2 VAE)	Greenville
Livingston, A. C. (1 TM)*	Ninety Six
Livingston, J. P. (1 A-Agron)*	Springfield
Livingston, M. W. (3 AH)	North
Livingston, O. W. (3 TM)	Columbia
Lloyd, G. M. (4 Ch En)	Charleston
Lockaby , R. H. (4 Ed)	East Flat Rock, N. C
Locke, D. F. (3 ME)	Spartanburg
Lockman, W. D. (2 ME)	Chesnee
Loftis, C. E. (3 Ind Ed)	Pickens
Lollis, C. H. (1 TM)*	Easley
Long, Cephus W. (4 CE)	Newberry
Long, Charles W. (2 TE)	Conway
Long, J. S. (1 E-TE)*	Piedmont

Name and Course	Address
Long, R. M. (3 TM)	Edgemoor
Long, R. O. (2 CE)	Walhalla
Longshore, H B. (1 E-ME)	Laurens
Longshore, H. F. (3 Ag En)	Newberry
Lorelle, R. R. (1 A-AH)	Brooklyn, N. Y.
Love, H. G. (PG Arch)	Columbia
Love, H. M. (4 Arch)	Chester
Love, R. L. (3 VAE)	Hendersonville, N. C.
Lovelace, L. H. (3 A&S)	Gaffney
Lovelace, O. F. (3 Dairy)	Prosperity
Lovell, G. A. (3 TM)	Liberty
Lowder, H. B. (4 Ind Ed)	Albemarle, N. C.
Lowe, A. H. (4 TM)	Warrenville
Lowery, R M. (1 TM)*	Greenville
Loy, V. A. (1 A-Ent)*	Florence
Lubash, V. I. (3 TM)	New York, N. Y.
Lubs, H. R. (1 E-CE)*	Charleston
Lucas, C. C. (1 A)*	Gaston
Lumley, H. (4 TE)	Greenwood
Lumley, T. (1 E-TE)*	Greenwood
Lunn, J. E. (2 A-Ag Ec)	Florence
Lunsford, P. R. (4 TM)	Charlotte, N. C.
Lupo, G. M. (4 TE)	Charlotte, N. C.
Lusk, J. A. (3 Arch)	Johnson City, Tenn.
Lusk, L. B. (1 TM)*	Walhalla
Lusk, L. J. (1 TM)	Greenville
Lyda, H. R. (1 VAE)*	Edneyville, N. C.
Lynes, R. M. (PG ME)	Durham, N. C.
Lynn, W. W. (3 Agron)	Filbert
Lyon, G. H. (G)*	Lumberport, W. Va.
Lyons, J. L. (3 TM)	Beaufort
Lytle, D. G. (4 EE)	New York, N. Y.
Lytle, W A. (1 E-EE)*	Tyrone, Pa.
McBride, L. M. (3 EE)	Parkersburg, N. C.
McCachern, J. G. (1 E-EE)*	Concord, N. C.
McCall, B. G. (4 A&S)	Ellerbe, N. C.
McCall, D. L. (3 Ag Ec)	Hendersonville, N. C.
McCall, H. E. (2 A-AH)	Hendersonville, N. C.
McCall, P. L. (1 A-Ag Ec)	Hartsville
McCall, W. R. (1 Arch)*	Hartsville
McCants, J. G. (3 TM)	Winnsboro
McCants, R. S. (4 AH)	Orangeburg
McCarey, G. H. (4 A&S)	Tallahassee, Fla.
McCarthy, O. P. (1 Ed)*	Manasquan, N. J.
McCaskill, M. J. (2 A-Agron)	Bethune
McCauley, H. R. (1 Arch)*	Greenville
McCauley, J. P. (1 Ed)	Washington, D. C.
McCauley, W. H. (1 E-ME)*	Greenville
McClain, J B. (4 TE)	Inman
McClamroch, W. C. (4 Arch)	Pascagoula, Miss.
McClellan, H. H. (3 TE)	Anderson
McClure, F. A. (4 EE)	Varnville
McClure, F. W. (1 TM)*	Travelers Rest
McClure, T. G. (4 TM)	Anderson
McClure, W. H. (1 E-Ag En)*	Landrum
McCombs, C. W. (2 TM)	Easley
McCombs, J. W. (4 Ind Ed)	Greenwood
McCommas, J. A. (3 AH)	Elizabethtown, N. C.
McConnell, F. M. (4 Ag Ec)	Seneca
McConnell, H. E. (2 EE)	Piedmont
McConnell, J. E. (2 A-AH)	Seneca
McConnell, J. H. (4 Ind Ed)	Anderson
McConnell, J. T. (2 ME)	Abbeville
McCord, A. S. (1 E-ME)*	Charlotte, N. C.
McCormick, L. S. (1 E-EE)	Orangeburg
McCown, C. D. (1 E-EE)*	Effingham
McCoy, D. W. (4 TM)	Lynchburg, Va.
McCoy, L. T. (3 Arch)	Belton
McCoy, T. R. (3 Ar En)	Anderson
McCracken, W. R. (1 VAE)*	Waynesville, N. C.
McCrary, R. K. (3 ME)	Greenville
McCravy, P. H. (4 TM)	Spartanburg
McCreight, C. R. (3 Arch)	Columbia
McCulloch, J. E. (1 TM)*	Gaffney
McCulloch, J. I. (2 TM)	Gaffney
McCullough, T. A. (1 E-TE)*	Hendersonville, N. C.
McCurry, T. M. (3 Ch En)	Anderson
McDaniel, B. F. (4 ME)	Pickens
McDonald, G. S. (3 TM)	Chester
McDonald, H. C. (4 Arch)	Brevard, N. C.
McDonald, H. M. (2 A-Agron)	Hartsville
McDonald, M. E. (1 E-CE)*	Ashburn, Ga.
McDonald, W. A. (3 Arch)	Johnson City, Tenn.
McDowell, E. D. (1 A)*	Elliott
McDowell, L. A. (2 VAE)*	Inman
McElveen, C. D. (4 AH)	Columbia
McElveen, M. F. (2 VAE)	Florence
McEntire, H. A. (1 E-CE)*	Columbia
McFaddin, N. J. (PG VAE)	Sardinia
McFalls, D. L. (3 Ind Phys)	Rutherfordton, N. C.
McGee, E. T. (2 Ag En)	Anderson
McGee, G. E. (1 A)	Anderson
McGill, A. C. (1 E-ME)*	Charlotte, N. C.
McGill, J. B. (1 E-Ag En)*	Anderson
McGill, J. N. (4 CE)	Anderson
McGinnis, J. S. (4 AH)	Mooresboro, N. C.
McGinty, R. A. (PG Arch)	Clemson
McGraw, J. F. (1 Pre-Med)*	Hendersonville, N. C.
McGregor, D. D. (2 CE)*	Chesterfield
McGregor, W. H. D. (3 A&S)	Greenville
McGuire, H. N. (3 TC)	Clemson
McGuirt, H. V. (4 TM)	Fort Mill
McIntyre, J. B. (2 TM)	Arcadia
McIver, W. C. (2 Pre-Med)	Marion, N. C.
McKay, A. S. (4 Dairy)	Hendersonville, N. C.
McKay, R. (2 Ed)	Washington, D. C.
McKee, G. A. (2 CE)	Mooresville, N. C.
McKee, J. L. (3 Ent)	Chester
McKenzie, G. S. (G VAE)	Mullins
McKenzie, O. K. (2 VAE)	Mullins
McKenzie, S. J. (1 VAE)*	Lake City
McKinnell, R. E. (2 ME)	Florence
McKinney, D. L. (3 TM)	Spartanburg
McKinney, R. B. (3 TM)	Pickens
McKinney, S. J. (2 ME)	Greenville
McLain, J. R. (4 VAE)	Chesterfield
McLaulin, N. S. (1 Pre-Med)*	Columbia
McLaurin, A. H. (3 A&S)	Bennettsville
McLaurin, C. D. (1 E-Ag En)*	Blenheim
McLaurin, J. F. (4 Pre-Med)	Bennettsville
McLean, J. N. (2 EE)	Greenville
McLean, N. M. (2 A-AH)	Orangeburg
McLellan, B. G. (1 E-TE)*	Florence
McLendon, C. R. (2 A&S)	Columbus, Ga.
McLeod, A. C. (1 A)*	McBee
McLeod, B. E. (4 EE)	Georgetown
McLeod, G. T. (3 TM)	Greenville
McLeod, H. E. (3 Ag En)	Rembert
McLeod, J. F. (2 A)	Chesterfield
McLeod, R. L. (4 ME)	Sumter
McLin, R. E. (3 AH)	Ridgeland
McMahan, J. D. (3 TM)	Columbia
McMahan, J. W. (4 TM)	Greenville
McMeekin, T. C. (2 A)	Glenside, Pa.
McMillan, H. C. (3 Ar En)	Spartanburg
McMillan, J. P. (1 A-AH)*	Mullins
McMillan, J. S. (4 Ag En)	Allendale
McMillan, L. L. (2 Arch)	Spartanburg

Name and Course	Address
McMillan, W. J. (2 A-Agron)	Allendale
McMullan, J. H. (3 Ag En)	Cornelia, Ga.
McNair, J. E. (2 CE)*	Gastonia, N. C.
McNair, S. M. (1 A)	Hartsville
McPherson, P. (2 TM)	Lockhart
McRae, C. K. (4 AH)	Gresham
McRae, W. E. (4 EE)	Bennettsville
McSwiney, T. L. (2 ME)	Jacksonville, Fla.
McTeer, H. C. (1 A&S)*	Columbia
McWhite, J. R. (1 Arch)*	Sumter
McWhorter, C. F. (1 E-ME)*	Liberty
Mabry, C. R. (1 E-TE)*	Greenville
Mace, R. G. (4 Ag En)	Gresham
Machen, R. H. (3 TM)	Greenville
Mack, D. T. (1 VAE)*	Cordova
Mack, J. H. (3 Arch)	Garnett
Mack, T. E. (4 TM)	Union
Mack, W. C. (2 ME)	Garnett
Mackenzie, M. B. (4 Arch)	Charleston
Macmillan, B. W. (1 A&S)*	Charleston
Maddox, C. J. (3 AH)	Gaffney
Maddox, H. M. (4 A&S)	Easley
Maffett, C. W. (4 CE)	Johnston
Magill, H. F. (2 TE)	Concord, N. C.
Magruder, L. M. (4 A&S)	Sarasota, Fla.
Major, B. J. (1 E-ME)*	Mooresville, N. C.
Major, J. E. (1 E-Ag En)*	Pahokee, Fla.
Major, L. S. (G Ed)*†	Anderson
Malphrus, L. D. (Unc)†	Clemson
Malphrus, T. W. (2 Ar En)*	Ridgeland
Maney, E. D. (4 Ag En)	West Asheville, N. C.
Mangrum, W. C. (1 A)*	Franklin, Tenn.
Mangum, D. (2 A-AH)	Spartanburg
Mann, C. L. (1 Arch)	Winnsboro
Mann, T. C. (3 Pre-Med)	Greenville
Manning, W. M. (3 Agron)	Columbia
Manos, J. P. (1 Ed)	Brooklyn, N. Y.
Mappus, E. R. (4 ME)	Naval Base
Mappus, F. J. (3 ME)	Charleston
Marett, J. D. (1 VAE)	Greenville
Marscher, W. F. (4 ME)	Beaufort
Marshall, H. E. (1 Cr En)*	Greenville
Marshall, W. C. (3 VAE)	Heath Springs
Marthers, W. C. (2 A-AH)	Winnsboro
Martin, A. B. (1 E-CE)*	Spartanburg
Martin, A. N. (1 E-ME)*	Winston-Salem, N. C.
Martin, C. B. (4 TM)	Greenville
Martin, D. C. (1 A-AH)*	Travelers Rest
Martin, E. E. (2 A&S)	Greenwood
Martin, E. H. (4 AH)	Conway
Martin, E. M. (3 VAE)	Sumter
Martin, F. W. (1 Chem)*	Bennettsville
Martin, T. R. (1 A)*	Anderson
Martin, W. E. (1 Ar En)*	Greenville
Martin, W. H. (1 E-Ch En)*	Williston
Martin, W. T. (3 TM)	Lawndale, N. C.
Mason, C. L. (2 Ag En)	Madison, Ga.
Mason, H. D. (2 Agron)	Westminster
Mason, R. W. (2 TC)	Rock Hill
Mason, Z. T. (2 VAE)	Manning
Massey, C. R. (1 E-CE)*	Walhalla
Massey, T. A. (2 TM)	Walhalla
Masters, W. H. (1 TM)	Easley
Mathews, R. D. (3 Dairy)	McKeesport, Pa.
Mathias, W. L. (4 TC)	Lexington
Mathis, B. W. (2 TM)	Pacolet Mills
Matthews, D. M. (2 ME)	Charlotte, N. C.
Matthews, G. U. (1 E-Ag En)*	Hemingway
Matthews, J. (2 A-Agron)	Scranton
Matthews, J. D. (1 E-EE)	West Columbia
Matthews, Joseph D. (1 VAE)*	Timmonsville
Matthews, J. S. (1 Pre-Med)*	Denmark
Matthews, T. E. (1 A&S)*	Charlotte, N. C.
Matthews, W. D. (3 A&S)	Manning
Mattox, W. R. (3 A&S)	Columbia
Mauldin, E. L. (1 A&S)	Easley
Mauldin, J. E. (3 CE)	Anderson
Mauldin, W. A. (3 CE)	Anderson
Maxfield, B. G. (3 AH)	Hodges
Maxfield, G. E. (1 E-CE)*	Jacksonville, Fla.
May, D. S. (4 A&S)	Calhoun Falls
Mays, K. W. (2 A&S)	Columbia
Mays, W. C. (4 Arch)	Fair Play
Mayson, J. M. (3 VAE)	McCormick
Medford, D. E. (1 TM)	Walhalla
Medlin, E. W. (3 AH)	Hartsville
Meetze, J. E. (1 Ed)*	Gaffney
Meiburg, C. O. (1 A&S)*	Clemson
Melnyk, J. (1 TM)*	Brooklyn, N. Y.
Melnyk, W. G. (3 Ar En)	Brooklyn, N. Y.
Melton, L. G. (4 AH)	Lyman
Menendez, R. I. (2 ME)	Charleston
Mercer, J. T. (1 A&S)	Georgetown
Mercer, W. E. (2 CE)	McClellanville
Merchant, V. E. (3 Pre-Med)	Barnwell
Merck, H. W. (1 E-EE)*	Greenville
Meredith, J. R. (3 VAE)	Seneca
Merritt, H. C. (3 Arch)	Columbia
Messervy, L. W. (2 EE)	North Charleston
Metcalf, J. Q. (4 EE)	Greenville
Metts, W. C. (4 VAE)	Brookings, S. Dak.
Metz, W. W. (3 TM)	Iva
Meyer, G. M. (1 E-EE)	Charleston
Michael, M. G. (3 TC)	Linwood, N. C.
Mickle, H. L. (4 TM)	Rock Hill
Micklus, A. J. (1 Ed)*	Bayonne, N. J.
Miller, B. I. (1 E-EE)*	Honea Path
Miller, B. M. (3 Ind Ed)	Liberty
Miller, C. L. (4 TM)	Greenville
Miller, D. C. (4 Ind Ed)	Summerville
Miller, D. O. (4 TE)	Chester
Miller, E. E. (1 Pre-Med)*	Jefferson
Miller, F. D. (3 TM)	Newberry
Miller, H. H. (1 Pre-Med)	Jefferson
Miller, J. R. (4 A&S)	Georgetown
Miller, J. W. (4 TM)	Greenville
Miller, J. W., Jr. (1 E-EE)	Greenville
Miller, R. J. (3 Poul)	Atlanta, Ga.
Miller, R. W. (1 TM)*	Augusta, Ga.
Miller, S. J. (1 E-CE)*	Belton
Miller, T. D. (4 TM)	Chester
Milling, D. L. (1 E-CE)*	Haddonfield, N. J.
Millsap, J. E. (4 Ag Ec)	Gable
Mims, J. A. (2 ME)	Florence
Mims, S. S. (2 Ch En)	Atlanta, Ga.
Minshew, C. T. (3 Ind Ed)	Johns Island
Minshew, R. H. (1 E-ME)*	Johns Island
Minton, R. H. (1 Arch)	Mountainside, N. J.
Mintz, W. H. (3 Ch En)	Heath Springs
Mitchell, J. E. (4 Ind Ed)	Augusta, Ga.
Mitchell, J. W. (2 Pre-Med)	Walterboro
Mitchell, L. A. (4 Ch En)	Folly Beach
Mitchell, L. S. (3 CE)	Walterboro
Mitchell, W. H. (1 E-Ag En)*	Mt. Pleasant
Mixon, L. C. (4 TM)	Aiken
Mixon, L. J. (1 E-ME)	Williamston
Mize, L. (2 EE)	Walhalla
Mobley, G. A. (2 TE)	Simpsonville
Moisson, W. C. (4 CE)	Greenville
Monroe, J. B. (Unc)†	Clemson
Monroe, T. L. (4 Ag Ec)	Marion
Monroe, W. E. (2 A&S)	Clemson
Montone, N. A. (4 EE)	Westminster
Monts, D. D. (2 A-Agron)	Sandersville, Ga.

Name and Course	Address
Moody, B. D. (1 A)*	Dillon
Moody, R. J. (2 ME)	Greenville
Mooney, C. W. (2 Ed)	Starke, Fla.
Mooneyhan, J. L. (2 TM)	West Columbia
Moore, D. W. (1 TM)*	Greenville
Moore, E. T. (4 VAE)	Lake City
Moore, E. W. (3 Ent)	Westminster
Moore, G. M. (1 A&S)*	Seneca
Moore, J. P. (2 ME)	Augusta, Ga.
Moore, J. Thomas (1 E-EE)*	Union
Moore, J. Thurmond (1 TM)	Inman
Moore, J. W. (2 ME)	Columbus, Ga.
Moore, K. L. (1 Ed)*	Calhoun, Ga.
Moore, M. C. (1 Ed)*	Union
Moore, P. N. (2 TM)	Sumter
Moore, R. E. (2 A-AH)*	Duncan
Moore, R. L. (1 E-ME)	Charlotte, N. C.
Moore, R T. (4 VAE)	Piedmont
Moore, T. E. (1 TM)	Central
Moore, U. B. (4 TM)	La France
Moore, V. O. (3 Ag Ec)	Lake City
Moore, W. E. (1 Arch)*	Charleston
Moore, W. G. (1 E-CE)*	Olanta
Moore, W. L. (2 TE)	Greenville
Moorer, V. D. (1 Ar En)*	Washington, D. C.
Moorhead, D. T. (1 TM)	Pendleton
Moorhead, L. J. (2 Ind Ed)	Anderson
Moorman, W. C. (4 CE)	Florence
Morgan, A. B. (4 CE)	New Orleans, La.
Morgan, H. D. (4 Ag Ec)	Seneca
Morgan, H. E. (3 Ind Ed)	Salisbury, N. C.
Morgan, L. R. (2 A-Ent)	Central
Morgan, M J. (4 Ag Ec)	Seneca
Morgan, M. L. (3 Agron)	Oakboro, N. C.
Morgan, Thomas W. (3 EE)	Startex
Morgan, Tom W. (2 EE)	Clemson
Morick, K. F. (3 EE)*	Orangeburg
Morrah, J. E. (1 E-ME)*	Greensboro, N. C.
Morrah, S. P. (3 TM)	Greensboro, N C.
Morris, A. R. (2 A-AH)	Olar
Morris, C. B. (3 TC)	Spartanburg
Morris, H. C. (1 E-Ag En)*	Olar
Morris, J. C. (3 Ar En)	Spartanburg
Morrison, A. H. (4 TM)	Great Falls
Morrison, J. A. (1 E-CE)	Winchester, Mass.
Morrison, W. G. (1 E-EE)*	Anderson
Morrow, B. R. (2 TM)	Spartanburg
Morrow, C. B. (4 EE)	Clover
Morton, E. F. (2 CE)	Lancaster
Moscovitz, J. M. (1 Ar En)*	Greenville
Moseley, B. P. (1 E-EE)*	Abbeville
Moss, A. A. (G)†	Clemson
Moss, J. M. (4 Chem)	Cameron
Mosteller, G. W. (4 Ed)	Greer
Mosteller, J. E. (3 VAE)	Gaffney
Moyd, D. L. (4 TE)	Ninety Six
Moyd, J. T. (1 E-Ch En)*	Ninety Six
Moyd, P. K. (3 Pre-Med)	Ninety Six
Muehsam, N. E. (1 TM)	New York, N. Y.
Muldrow, R. J. (1 A-Agron)	Florence
Muldrow, R W. (2 ME)	Sumter
Mull, M. D. (3 Hort)	Anderson
Mullikin, J. A. (4 EE)	Pendleton
Mullin, B. J. (3 VAE)	Chadbourn, N. C.
Mullinax, W. B. (1 E-TE)*	Anderson
Mullinnix, G A. (2 TM)	Greenville
Mundy, C. E. (1 TM)	Ware Shoals
Mundy, H. E. (1 E-TE)*	Abbeville
Munn, J. D. (1 E-EE)*	Bishopville
Munn, N. R. (3 VAE)	Georgetown
Murdock, J. P. (1 A)*	Belton
Murphy, C. L. (1 E-ME)	Portsmouth, Va.
Murphy, E. J. (2 ME)	Augusta, Ga.
Murphy, H. G. (1 E-EE)*	Cambridge, Md.
Murray, E. S. (1 A&S)	Cleveland
Murray, J. (1 E-TE)*	New York, N. Y.
Myers, J. C. (3 TM)	Westminster
Myers, R. E. (1 E-EE)*	East Haven, Conn.
Naismith, D. E. (1 Ar En)	Savannah, Ga.
Neal, J. L. (4 TC)	Fort Mill
Neel, H. J. (2 Ed)	Owensboro, Ky.
Neeley, B. B. (4 Arch)	Columbia
Neely, A. M. (1 E-EE)*	Rock Hill
Neely, C. E. (1 E-EE)*	Charlotte, N. C.
Neighbors, J. D. (2 A-Hort)	Beaufort
Neighbour, O. J. (1 E-ME)	Spartanburg
Neister, A. F. (2 TM)	Spartanburg
Nelson, C. H. (2 ME)	Westminster
Nelson, K. E. (1 E-EE)	Greenville
Nelson, V. W. (3 Ar En)	Philadelphia, Pa.
Nesbit, W. J. (1 A&S)	St. Petersburg, Fla.
Nettles, B. L. (2 EE)	Charleston
New, F. H. M. (1 E-EE)	Glendale
Newcomer, G. C. (1 E-EE)*	Nashville, Tenn.
Newman, G. W. (1 TM)	Columbia
Newsome, W. E. (1 Pre-Med)*	Sandersville, Ga.
Newton, A. F. (2 Ind Ed)	Clemson
Newton, D. T. (4 Ind Ed)	Central
Newton, E. (2 EE)	Chester
Newton, J. B. (3 AH)	Myrtle Beach
Newton, R. R. (1 E-EE)*	Gibson, N. C.
Nichols, C. M. (2 CE)	Leesville
Nichols, C S. (2 TM)	Newberry
Nicholson, J. R. (4 VAE)	Westminster
Nickles, R. B. (1 A-AH)*	Hodges
Nickles, W. A. (4 Ag En)	Hodges
Niver, J. M. (2 TM)	Bluffton
Nixon, J. B. (1 E-EE)*	Conway
Noel, E. W. (1 A&S)	Saluda
Nolte, A. T. (1 E-EE)*	Charleston
Nolte, F. E. (2 Ag En)	Charleston
Norman, A. W. (3 A&S)	Clemson
Norris, C. S. (1 E-EE)*	Naval Base
Norris, J. M. (2 TM)	Cateechee
Norton, L. N. (1 VAE)	Nichols
Norton, P. F. (2 TM)	McColl
Norton, R. E. (4 Arch)	Florence
Nott, T. E. (4 ME)	Charlotte, N. C.
Novit, B J. (3 Ind Ed)	Charleston
Nowell, J. G. (2 TM)	Charleston
Nowell, V. H. (4 Arch)	Savannah, Ga.
Nuckols, J. N. (2 TM)	Westminster
Nunnery, H. F. (1 E-EE)	Chester
Nunnery, S. A. (1 E-ME)*	Edgemoor
Nunnery, T. W. (2 Ag En)	Edgemoor
Oates, J. E. (2 A&S)	Easley
O'Brien, R. E. (3 Agron)	Eutawville
O'Brien, W. H. (1 E-Ag En)*	Norway
O'Byrne, W. (1 E-EE)*	Liberty
O'Dell, G. D. (1 A-Dairy)	Easley
O'Dell, W. T. (G Dairy)†	Easley
O'Diear, W. E. (1 E-ME)*	Canton, N. C.
Oetgen, J. W. (2 ME)	Savannah, Ga.
Odom, L. A. (1 Arch)*	Daytona Beach, Fla.
Oliver, W. B. (1 E-ME)	Charleston
Olson, A. W. (4 A&S)	De Land, Fla.
Olson, J. C. (1 A-AH)	Decatur, Ga.
O'Neal, C. A. (2 A-AH)	Blenheim
O'Neal, J. S. (1 A-AH)	Blenheim
Onley, W. O. (2 ME)	Columbia
Opt, R. A. (3 TM)	Anderson
Ormand, J. M. (2 TM)	Thomaston, Ga.
Orr, J. W. (3 ME)	Darlington
Orr, R. H. (1 A-Dairy)	Blackstock
Ortkiese, L. N. (4 Chem)	New Orleans, La.
Osborne, P. R. (1 TM)	Kingsport, Tenn.

Name and Course	Address
O'shields, J. L. (1 E-TE)*	Calhoun Falls
O'Shields, W. C. (1 VAE)	Startex
Othersen, C. B. (1 E-ME)*	Charleston
Ott, A. L. (2 Arch)	Columbia
Ott, H. F. (1 E-Ag En)*	Swansea
Outz, M. (3 AH)	Fair Play
Owen, B. E. (4 Ind Ed)	Orangeburg
Owen, H. L. (1 E-ME)*	Greenville
Owen, W. B. (4 TM)	Greenville
Owen, W. C. (G VAE)†	Central
Owens, L. F. (2 A&S)	Sumter
Owens, R. S. (4 Ch En)	Clinton
Owings, Z. H. (1 E-ME)*	Greenwood
Pace, C. L. (4 TM)	Spartanburg
Pace, J. E. (2 TM)	Spartanburg
Pack, J. R. (1 Pre-For)*	Sumter
Padgett, J. E. (3 Pre-Med)	Ridgeland
Palmer, N. O. (4 TE)	Norris
Pamplin, H. O. (1 TM)	McColl
Pardue, F. R. (3 TM)	Greenwood
Paris, W. W. (1 Chem)	Keyser, W. Va.
Park, G. R. (4 Ag En)	Winnsboro
Park, R. Y. (2 Ag En)	Winnsboro
Parker, C. E. (2 EE)*	Asheville, N. C.
Parker, C. J. (1 A&S)*	Lancaster
Parker, C. Y. (3 Arch)	Cruger, Miss.
Parker, G. V. (1 Ar En)*	Greenville
Parker, H. L. (1 A&S)*	Spartanburg
Parker, J. H. (3 Ed)	Norris
Parker, J. W. (2 Cr En)	Savannah, Ga.
Parker, R. B. (3 TM)	Savannah, Ga.
Parker, R. P. (1 E-Ag En)	Woodcliff, Ga.
Parkins, J. A. (3 TM)	Greenville
Parnell, D. E. (4 Ch En)	Anderson
Parnell, J. M. (1 A)*	Timmonsville
Parnell, J. P. (2 TM)	Calhoun Falls
Parnell, J. S. (2 TM)	Ware Shoals
Parr, W. W. (3 Dairy)	Newberry
Parris, R. M. (2 EE)*	Brevard, N. C.
Parrott, C. J. (4 TM)	York
Parsons, B W. (3 ME)	Rock Hill
Parsons, M. O. (3 Pre-Med)	Hemingway
Parsons, N. H. (2 Pre-Med)	Georgetown
Pate, D. D. (4 A&S)	Cassatt
Pate, J. F. (1 TC)*	Canton, N. C.
Pate, M. E. (1 Ar En)*	Winnsboro
Pate, O H. (1 Ar En)*	Bishopville
Patrick, L. W. (G Ed)†	Clemson
Patten, M. I. (3 Ind Ed)	Easley
Patterson, C. W. (4 TE)	Spartanburg
Patterson, H. L. (1 E-EE)*	Fort Mill
Patterson, I. N. (3 A&S)	Clemson
Patterson, J. (3 Ar En)	Spartanburg
Patterson, J. R. (1 VAE)*	Campobello
Patterson, J. V. (3 TM)	Clemson
Patterson, W. B. (3 Arch)	Abbeville
Patterson, W. K. (3 EE)	Greenwood
Patton, B. C. (2 A-AH)	Fountain Inn
Patton, F. J. (4 Ag En)	Pisgah Forest, N. C.
Patton, J. R. (1 E-ME)*	Brevard, N. C.
Patton, R. E. (2 TM)	Fountain Inn
Patton, R H. (2 VAE)	Gray Court
Pavia, J. F. (3 EE)	New Brunswick, N. J.
Paysinger, S. B. (3 Ind Ed)	Ninety Six
Peake, W D. (3 Ar En)	Arlington, Va.
Pearce, D. L. (1 A-AH)*	New Brunswick, N. J.
Pearman, D. L. (3 EE)	Donalds
Pearson, H. H. (1 Pre-Med)*	Woodruff
Pearson, W. A. (3 ME)	Greenville
Peay, W. A. (3 VAE)	Pageland
Peeler, J. G. (3 CE)	Asheville, N. C.
Peigler, C T. (4 ME)	Greenville
Pellett, A. B. (4 CE)	Greenville
Pendley, G. C. (2 TE)	Calhoun, Ga.
Penn, S. R. (4 Arch)	Anderson
Pennell, J. E. (3 Chem)	Anderson
Pennell, R. H. (4 CE)	Spartanburg
Peppers, C. H. (3 Pre-Med)	Taylors
Perkins, D. B. (3 EE)	Savannah, Ga.
Perry, F. M. (3 CE)	Greenville
Perry, T. E. (4 TM)	Anderson
Perry, W. J. (2 Arch)	Timmonsville
Peszka, S. F. (2 EE)*	Conshohocken, Pa.
Peterman, M. (2 EE)	Warner Robins, Ga.
Peters, A. H. (4 Ch En)	Summerville
Peters, C. D. (1 E-CE)*	North
Peterson, D. E. (1 E-CE)*	Anderson
Petit, R. E. (1 E-ME)*	Sumter
Pettigrew, R. N. (3 Arch)	Tampa, Fla.
Pettit, S. L. (4 CE)	Pauline
Philhower, L. S. (1 A-Ag Ec)*	Williamsburg, Va.
Philippsthal H. F, (2 A-Bot)	North Charleston
Phillips, C. C. (3 EE)	Blackville
Phillips, W. F. G. (2 EE)	Piedmont
Phipps, F. V. (1 E-ME)*	Columbia
Pinckney, H. T. (1 Pre-For)*	Pritchardville
Pinson, J. T. (3 TE)	Anderson
Pittman, G. L. (3 AH)	Myrtle Beach
Pittman, J. F. (3 Ag Ec)	Seneca
Pittman, R. E. (4 AH)	Dillon
Pitts, H. E. (1 E-TE)*	Clinton
Pitts, J. H. (4 Agron)	Clinton
Pitts, P. M. (2 TE)	Clinton
Plaxico, D. L. (4 ME)	Blacksburg
Plumley, J. D. (1 Arch)*	Landrum
Plunkett, R. W. (Unc)†	Clemson
Plyler, C. D. (3 Ind Ed)	Lancaster
Plyler, J. N. (1 Ind Ed)*	Lancaster
Plyler, N. W. (1 A&S)*	Lancaster
Poag, W. M. (4 TM)	Joanna
Polizos, P. J. (1 Ar En)*	Spartanburg
Ponder, W. R. (4 A&S)	Williston
Pontisakos, G. (1 A-AH)*	Long Island City, N. Y.
Poole, T. B. (3 TM)	Clemson
Poole, W. M. (2 TM)	Travelers Rest
Pope, J. M. (2 TM)	Naval Base
Porcher, P. R. (1 E-Ch En)*	Pinopolis
Porter, J. A. (1 E-Ch En)*	Williston
Porter, R. B. (3 CE)	Winnsboro
Poston, M. L. (3 Agron)	Hyman
Poston, R. L. (1 A)	Hyman
Poston, W. C. (2 VAE)	Hyman
Poulos, J. T. (4 Ar En)	Spartanburg
Poupalos, J. J. (1 E-EE)*	Charleston
Powell, J. T. (1 VAE)	Johnsonville
Powell, J. W. (1 A-Dairy)*	Johnsonville
Prater, J. F. (1 A-AH)*	Townville
Pratt, L. D. (1 A-AH)*	Decatur, Ga.
Preacher, R. B. (2 A-AH)	Ridgeland
Preacher, W. C. (2 A-AH)	Ridgeland
Price, C. A. (1 E-ME)*	Gaffney
Price, C. J. (3 TE)	Ninety Six
Price, C. N. (4 VAE)	Wolfton
Price, D. C. (3 Dairy)	Gaffney
Price, G. R. (4 Arch)	Columbia
Price, J. K. (4 AH)	Gaffney
Price, M. E. (2 TE)	Ninety Six
Pridgeon, H. L. (2 Ar En)	Spartanburg
Priester, D. K. (1 Pre-Med)*	Hampton
Prim, B. R. (1 TM)*	Columbia
Prince, E. W. (4 Ag Ec)	Gurley
Prince, J. H. (3 CE)	Abbeville
Prince, R. M. (2 Ag En)	Lynchburg

Name and Course	Address
Pritchard, G. E. (1 Pre-Med)*	Buffalo, N. Y.
Probst, C. (G Ed)†	Walhalla
Prosser, B. E. (3 VAE)	Hyman
Pruette, R. L. (3 TE)	Monroe, N. C.
Pruitt, J. R. (4 TM)	Anderson
Pruitt, L. G. (4 TM)	Anderson
Pruitt, L. H. (3 TM)	Anderson
Pruitt, M. R. (2 TM)	Anderson
Pugh, L. E. (1 TM)*	Newport News, Va.
Pugliese, V. A. (1 A&S)	Washington, D. C.
Pursley, J. M. (3 TM)	Clover
Pursley, W R. (1 A-AH)*	Filbert
Pusser, L. W. (4 TM)	Chesterfield
Quarles, J. D. (1 A&S)*	Abbeville
Queen, R. J. (1 Ar En)*	Canton, N. C.
Quinn, E W. (3 Ag En)	Spartanburg
Quinn, J. D. (1 Ind Ed)*	Westminster
Quinn, J. M. (4 TM)	Inman
Rabon, W. J. (3 Arch)	Marion
Radcliff, B. A. (1 A-Poul)*	Norfolk, Va.
Radcliff, C. F. (1 A-Poul)*	Norfolk, Va.
Ragan, R. C. (2 TM)*	Greenville
Ragsdale, L. M. (1 E-CE)	Honea Path
Raines, H. M. (2 A-AH)	Mountain Rest
Raines, R. M. (2 Arch)	Miami, Fla.
Raines, W. G. (3 TM)	Greenville
Rallings, E. M. (G VAE)	Pageland
Rampey, W. W. (2 ME)	Easley
Ramsay, J. O. (1 E-CE)*	Sumter
Ramsey, J. E. (3 TM)	Gaffney
Ramsey, P. E. (3 VAE)	Gaffney
Randall, J. B. (1 E-EE)*	Ballston Lake, N. Y.
Randall, N. A. (1 TC)*	Decatur, Ga.
Randall, W. B. (3 Ind Ed)	Spartanburg
Rankin, D. M. (2 A-AH)	Gastonia, N. C.
Rast, E M. (1 A)*	Cameron
Rast, F. M. (1 A-Agron)*	Manning
Rast, J. D. (1 A)*	Cameron
Rawl, H. B. (2 Ch En)	Spartanburg
Rawl, H. N. (1 A-Poul)*	Gilbert
Rawls, C. H. (4 TE)	Rock Hill
Rawls, J. (1 E-Ch En)*	Rock Hill
Rayle, R. F. (4 A&S)	Eastover
Razmic, C. F. (1 Ed)*	West Homestead, Pa.
Rea, L. M. (2 VAE)	Matthews, N. C.
Reaves, B. M. (4 ME)	Bishopville
Reaves, J C. (1 A-AH)*	Mullins
Reddick, C. E. (3 TM)	Sardis, Ga.
Redfearn, J. H. (1 E-ME)*	Wadesboro, N. C.
Reed, A. J. (1 TM)	Whitmire
Reed, B D. (2 A-Agron)	North
Reed, D. R. (1 E-EE)*	Nashville, Tenn.
Reed, W. H. (3 CE)	Savannah, Ga.
Reeder, W. T. (4 EE)	Laurens
Rees, J. H. (2 TM)	Fayetteville, Tenn.
Reeves, A. N. (3 A&S)	Ravenel
Reeves, E. R. (4 A&S)	Branchville
Register, H. I. (2 ME)	Darlington
Reid, G. P. (4 TM)	Greenville
Reid, H. W. (3 Ind Ed)	Piedmont
Reid, J. H. (1 Ar En)*	Sumter
Reinhardt, W. P. (1 Ar En)*	Newton, N. C.
Reutershan, H. W. (1 E-Ch En)	Springfield, N. J.
Revell, W. H. (1 Ar En)*	Hartsville
Reynolds, H. M. (PG TC)	Edgefield
Reynolds, J. T. (3 A&S)	Johnstown, Pa.
Reynolds, L. D. (G VAE)	Timmonsville
Reynolds, P. G. (3 Ar En)	Sumter
Rhame, D. D. (2 Chem)	Denmark
Rhea, M. R. (2 EE)	Naval Base
Rheney, T. B. (4 TM)	Spartanburg

Name and Course	Address
Rhodarmer, B. J. (1 E-TE)*	Canton, N. C.
Rhodes, D. (2 A-Dairy)	Estill
Rhodes, R. H. (2 A-AH)	Effingham
Rhyne, F. L. (4 TM)	Gastonia, N. C.
Rice, B. M. (1 E-EE)	Hartwell, Ga.
Rice, D. E. (1 Pre-For)*	Bristol, Va.
Rice, J. H. (4 A&S)	Charleston
Rice, M. A. (4 Ar En)	Florence
Rice, M. D. (3 Dairy)	Kathwood
Rice, P. R. (4 TM)	Anderson
Richards, A. J. (1 Pre-Med)*	Denmark
Richardson, C. R. (1 A-AH)*	Chapin
Richardson, H. C. (3 TM)	Greenville
Richardson, R. R. (2 A-AH)	Apopka, Fla.
Richbourg, J. B. (4 Pre-Med)	Union
Richbourg, M. N. (3 Pre-Med)	Orangeburg
Richey, J. W. (2 TM)	Ware Shoals
Riddle, B. R. (1 E-CE)*	Kannapolis, N. C.
Riddle, B. W. (2 TM)	Woodruff
Riddle, C O. (3 CE)	Fountain Inn
Riddle, L. (4 TM)	Greenville
Ridenhour, G. C. (4 TM)	Greenville
Ridgeway, G. H. (1 A-AH)	Greenville
Riebling, L. P. (1 TM)*	Spartanburg
Riggins, W. R. (2 EE)	Easley
Rikard, J. C. (1 TM)*	Rock Hill
Rinehart, W. G. (4 AH)	Leesville
Ringer, A. W. (2 EE)	Newberry
Rion, R. G. (2 TC)	Hartsville
Risher, E. D. (3 AH)	Ellenton
Risher, F. G. (1 TM)*	Charleston
Ritter, M. W. (3 Ag En)	Hickory, N. C.
Rivera, A. M. (1 E-ME)	Guantanamo, Cuba
Rivers, J. (1 E-Ag En)*	Charleston
Rivers, J. C. S. (4 Ind Phys)	Johns Island
Rivers, M. S. (1 Ed)*	Cheraw
Rivers, R. N. (1 TM)*	Hampton
Roach, W. R. (1 E-TE)	Greenville
Robbins, C. M. (2 A-Agron)	Dillon
Roberts, D. E. (2 VAE)	Chester
Roberts, E. W. (3 TE)	Ninety Six
Roberts, G. C. (2 EE)	Miley
Roberts, J. V. (2 TM)	Rutherfordton, N. C.
Roberts, P. D. (1 Pre-For)*	Conemaugh, Pa.
Roberts, W. P. (3 Ag Ec)	Lugoff
Robertson, W. B. (3 TC)	Hagerstown, Md.
Robin, B. (3 TM)	Asheville, N. C.
Robinette, P. N. (1 TC)*	Pacolet
Robinson, J. H. (1 E-Ag En)*	Oswego
Robinson, L. H. (G Phys)†	Greenville
Robinson, M. C. (1 E-TE)*	Asheville, N. C.
Robinson, S. W. (G)*†	Clemson
Robison, M. A. (3 AH)	Donalds
Roche, J. J. (1 E-TE)	Sumter
Rochester, D. E. (4 TE)	Seneca
Rochester, J. R. (3 A&S)	Greenville
Rodgers, C. H. (1 A-Dairy)	Callison
Rodgers, G. T. (2 A&S)	Pittsburgh, Pa.
Rodgers, J. D. (1 A-Agron)*	Scranton
Roff, W. T. (1 TC)*	Garden City, N. Y.
Rogan, T. S. (2 A-Agron)	Greelyville
Rogers, C. L. (1 TM)	Williamston
Rogers, C. R. (4 TM)	Drayton
Rogers, C. T. (1 A-AH)	Hemingway
Rogers, D. J. (1 E-CE)*	Cowpens
Rogers, H. C. (3 Agron)	Dillon
Rogers, J. W. (2 A-Hort)	Hartsville
Rogers, Ralph L. (4 EE)	Charleston
Rogers, Robert L. (3 TM)	Pelzer
Rogers, S. A. (2 ME)	Mauldin
Rogers, W. B. (1 E-EE)*	Greenville
Rohn, D. F. (1 E-ME)	Dover, N. J.
Rollins, V. A. (1 E-ME)	Greenville
Rollins, W. (2 TM)	Kershaw

Name and Course	Address
Roof, L. B. (1 E-CE)*	Lexington
Roof, M. L. (4 TM)	Chester
Roof, T. D. (1 E-ME)*	Columbia
Roper, D. P. (3 TM)	Spartanburg
Rose, L. E. (3 ME)	Sardinia
Rose, O. E. 1(A)*	Sardinia
Rose, W. R. (1 E-TE)*	Timmonsville
Rothell, J. G. (2 TC)*	Saluda
Roux, J. A. (1 A-AH)	Spartanburg
Rowe, H. B. (1 Arch)*	Hartsville
Rowe, O. R. (2 ME)	Charlotte, N. C.
Rowland, L. M. (1 TM)	Walhalla
Royals, L. (1 VAE)*	Conway
Rozier, C. M. (4 VAE)	Lake View
Ruitenberg, C. O. (2 Arch)	Paterson, N. J.
Rushton, H. G. (3 TE)	Greenville
Russell, R. C. (1 E-Ag En)*	Bonneau
Russell, R. R. (3 ME)	Columbia
Russo, M. E. (4 CE)	New York, N. Y.
Rutledge, W. T. (4 TC)	Greenville
Ryan, R. C. (1 E-TE)*	West Orange, N. J.
Ryan, W. B. (1 Arch)*	Ridgeland
Ryan, W. H. (4 EE)	Elizabeth, N. J.
Ryan, W. T. (4 TE)	Naval Base
Rye, C. L. (2 EE)	Columbia
Saline, M. H. (3 Arch)	Raleigh, N. C.
Salley, D. B. (2 ME)	Saluda, N. C.
Salley, G. P. (3 Agron)	Salley
Salley, J. R. (G)†	Clemson
Sams, J. G. (1 Chem)*	Charleston
Sanders, C. B. (3 TM)	Anderson
Sanders, G. S. (4 Ar En)	Bamberg
Sanders, J. D. (1 E-CE)	Blacksburg
Sanders, J. W. (4 Pre-Med)	Anderson
Sanders, K. R. (4 Arch)	Gaffney
Sanders, K. T. (1 TM)	Anderson
Sanders, L. H. (4 Agron)	Union
Sanders, L. W. (4 CE)	Spartanburg
Sanders, S. L. (4 EE)	Naval Base
Sanders, T. C. (2 VAE)	Yonges Island
Sanders, W. D. (3 TM)	Anderson
Sanderson, J. L. (2 A-AH)	Dillon
Sansbury, R. R. (3 Ag En)	Effingham
Santos, W. A. (1 Arch)	Charleston
Sapp, E. F. (4 Ind Phys)	Albany, Ga.
Sargent, F. H. (4 TM)	Spartanburg
Sarracino, J. J. (1 Ed)	La France
Sarratt, J. H. (3 Agron)	Gaffney
Satterfield, R. F. (2 TE)	Lyman
Saunders, A. W. (3 Poul)	Rutherford, N. J.
Saunders, C. E. (2 A&S)	East Gastonia, N. C.
Saunders, G. M. (2 A)	Dalzell
Saunders, H. M. (2 TM)	Indiantown, Fla.
Saverance, J. R. (1 A&S)*	Cheraw
Sawyer, R. L. (1 A)*	Johnston
Sawyer, W. B. (3 TM)	Johnston
Scarborough, G. M. (1 A&S)*	Florence
Scarborough, W. L. (2 EE)	Florence
Scarlett, H. C. (1 Arch)*	Scarsdale, N. Y.
Schachner, J. A. (1 E-ME)*	Charlotte, N. C.
Schaufelberger, A. H. (3 A&S)	East Islip, N. Y.
Schlock, A. A. (3 AH)	Westminster
Schofield, E. C. (3 Pre-Med)	Marion
Schouest, H. J. (3 Arch)*	Harvey, La.
Schrader, E. D. (3 TM)	Spartanburg
Schrader, M. W. (4 ME)	Spartanburg
Schroder, W. J. (2 TM)	West Union
Schuettler, R. W. (2 TM)	Elizabethton, Tenn.
Schumpert, D. E. (1 E-CE)*	Newberry
Schwartz, W. S. (1 E-ME)*	Charleston
Schwiers, W. (2 A-AH)	Greenville

Name and Course	Address
Scott, E. B. (G)†	Clemson
Scott, F. G. (1 A&S)*	Mt. Pleasant
Scott, H. M. (4 Ag En)	Aiken
Scott, J. C. (2 TM)	Columbia
Scott, J. H. (2 EE)	Honea Path
Scott, R. B. (3 AH)	York
Scott, S. L. (1 TM)	Darlington
Seaborn, G. W. (4 VAE)	Walhalla
Seaborn, L. A. (1 E-TE)*	Marietta, Ga.
Seago, B. M. (3 TE)	Vaucluse
Sears, W. B. (4 TM)	Clemson
Sease, E. C. (2 ME)	Columbia
Sease, F. D. (3 Agron)	Ehrhardt
Sease, J. (1 Pre-Med)*	Ehrhardt
Sedberry, D. D. (1 Pre-For)*	Hartsville
Sedberry, D. W. (1 Arch)*	Hartsville
Seigler, M. V. (G Ag Ec)	Walhalla
Selfridge, H. R. (4 A&S)	Lakeville, Conn.
Sell, J. A. (1 E-ME)*	Bennettsville
Senn, G. A. (2 TM)	Spartanburg
Senn, H. B. (1 TM)*	Inman
Sessions, J. F. (1 A-Ent)*	Myrtle Beach
Setzer, J. L. (4 A&S)	Canton, N. C.
Shain, C. W. (3 TM)	Paterson, N. J.
Shands, E. B. (2 Ed)	Pauline
Shannon, E. M. (2 EE)*	Blackstock
Sharpe, J. D. (4 CE)	Gaston
Shaw, R. E. (3 TM)	Greenville
Shaw, W. L. (2 A&S)	Marion
Shealy, E. E. (3 VAE)	Gilbert
Shealy, E. F. (G Ed)*†	Anderson
Shealy, E. L. (2 Ar En)	Columbia
Shealy, G. M. (1 E-EE)*	Batesburg
Shealy, H. L. (2 A-Hort)	Batesburg
Shealy, J. P. (4 Ind Phys)	Orangeburg
Shealy, P. S. (G)	Batesburg
Shealy, R. N. (3 TM)	Columbia
Shearin, A. M. (3 EE)	Darlington
Shedd, G. R. (2 TM)	Winnsboro
Shedd, W. B. (1 E-TE)*	Monticello
Sheffler, J. H. (4 ME)	Niles, Ohio
Shehan, D. B. (1 E-TE)	Pickens
Sheider, A. L. (2 TE)	Hendersonville, N. C.
Shelley, E. H. (2 VAE)	Nichols
Shelley, F. E. (1 VAE)*	Aynor
Shelley, R. (4 VAE)	Pickens
Shelton, G. F. (3 Ed)	Naval Base
Shelton, G. L. (2 EE)	Greenville
Sheppard, J. A. (1 TM)*	Waynesboro, Ga.
Sheppard, J. E. (1 Arch)*	Anderson
Sherard, J. W. (4 EE)	Calhoun Falls
Sherer, D. G. (2 Arch)	Columbia
Sheriff, B. C. (2 VAE)	Martin, Ga.
Sherwood, E. C. (3 A&S)	Dillon
Shields, J. M. (2 Arch)	Nashville, Tenn.
Shillinglaw, D. H. (1 A-Ag Ec)	Sharon
Shirley, D. C. (3 TE)	Orangeburg
Shirley, J. G. (1 E-ME)	Piedmont
Shirley, J. H. (3 EE)	Gaffney
Shirley, J. L. (4 A&S)	Sandy Springs
Shirley, J. R. (1 TM)	Greenville
Shirley, J. T. (1 A)*	Seneca
Shirley, T. F. (1 TM)*	Belton
Shiver, J. M. (1 A-Agron)	Rembert
Shivers, R. P. (1 TM)*	Griffin, Ga.
Shockley, J. A. (3 ME)	Falls Church, Va.
Sholar, J. O. (1 TM)*	Columbia
Sholar, J. P. (2 Arch)*	Columbia
Shoolbred, R. A. (2 CE)	Eastover
Shores, R. L. (2 TM)	Spartanburg
Shouse, E. T. (1 E-ME)*	Whitmire
Shuford, W. E. (1 TM)*	Forest City, N. C.
Shugart, W H. (2 VAE)	Sumter
Shuler, J. O. (4 AH)	Holly Hill

Name and Course	Address
Shuler, N. E. (4 Ag En)	Rembert
Shuler, W. A. (2 Ag En)	Rembert
Shuler, W. S. (1 E-Ag En)	Sumter
Shull, M. D. (1 A-Dairy)	Wagener
Sibley, A. B. (3 Agron)	Greenville
Sibley, W. B. (2 TM)	Aiken
Sibley, W. H. (3 AH)	Greenville
Sightler, C. W. (4 TM)	Greenville
Sigmon, L. J. (1 TM)	Newton, N. C.
Sikes, B R. (4 ME)	Spartanburg
Simmons, W. H. (1 Arch)	Long Island City, N. Y.
Simmons, W. K. (2 EE)	Greenville
Simpson, C. B. (1 TC)*	Richburg
Simpson, D. E. (3 ME)	South Charleston, W. Va.
Simpson, D. M. (3 TM)	Knoxville, Tenn.
Simpson, F. H. (3 TM)	Clinton
Simpson, G. J. (1 E-Ch En)*	Easley
Simpson, H. A. (2 A&S)	Gray Court
Simpson, J. A. (2 A-Dairy)	Richburg
Simpson, J. I. (4 Ar En)	Piedmont
Simpson, R. E. (3 VAE)	Lancaster
Simpson, R. M. (3 Ind Ed)	Columbia
Simpson, R. R. (2 TM)	Westminster
Simpson, V. B. (4 TM)	Clinton
Sims, B. C. (1 A-AH)*	Greenville
Sims, J. L. (3 Hort)	Orangeburg
Sims, R. M. (3 Hort)	Spartanburg
Sinclair, A. R. (2 EE)	Forest Park, Ga.
Sizemore, G. C. (1 Ar En)	Greenville
Skelton, C. (4 TM)	Anderson
Skelton, R. R. (3 TM)	Atlanta, Ga.
Skelton, T. E. (2 Ent)	Clemson
Skelton, W. S. (2 TE)*	Augusta, Ga.
Skerratt, J. D. (3 TE)	Cranford, N. J.
Skinner, C F. (3 TM)	Woodruff
Skornschek, T. E. (2 CE)	Tampa, Fla.
Slaten, H. W. (2 Ind Ed)	Williamston
Slattery, J. G. (2 TE)	Greenville
Sloan, C. M. (2 Ind Ed)	Inman
Sloan, J. W. (3 TM)	Clemson
Sloan, W. A. (4 Arch)	Anderson
Sloan, W. P. (1 A-Hort)*	Greer
Slone, A. R. (G)	Spartanburg
Small, D. E. (3 VAE)	Davidson, N. C.
Small, R. L. (1 TM)	Concord, N. C.
Small, W. C. (1 Ed)*	Burlington, N. C.
Smalls, A. J. (1 A)*	Georgetown
Smarr, A W. (3 Ind Ed)	Hickory Grove
Smith, B. B. (3 A&S)	Easley
Smith, B. C. (2 ME)	Greenwood
Smith, Benjamin M. (3 TM)	Columbia
Smith, Broadus M. (1 E-Ag En)*	Trenton
Smith, C. A. (1 A)	Mooresville, N. C.
Smith, Charles B. (4 Arch)	Gaffney
Smith, Claude B. (1 A-Agron)	Florence
Smith, C. F. (4 ME)	North Charleston
Smith, C. H. (4 AH)	Spartanburg
Smith, C. W. (3 ME)	Clemson
Smith, D. D. (1 A)*	Columbia
Smith, D. W. (1 VAE)	Edgefield
Smith, E. A. (3 Ind Ed)	Spartanburg
Smith, E. G. (1 E-ME)*	Waxhaw, N. C.
Smith, E. J. (4 TM)	Buffalo
Smith, E. M. (1 Chem)*	Greenville
Smith, E. T. (1 Pre-Med)	Branchville
Smith, F. E. (1 E-Ag En)*	Sylvania, Ga.
Smith, F. V. H. (3 Arch)	Charlotte, N. C.
Smith, G. C. (2 Cr En)	Washington, D. C.
Smith, H. E. (4 TM)	Dover, N. C.
Smith, H. K. (4 ME)	Spartanburg
Smith, Harry L. (1 E-EE)*	Greenville
Smith, Herman L. (4 TM)	Conover, N. C.
Smith, I. (G VAE)†	Pickens
Smith, James B. (3 ME)	Rock Hill
Smith, John B. (2 ME)	Florence
Smith, J. D. (3 Ag En)	West Union
Smith, James E. (1 A&S)	Greenville
Smith, Jones E. (3 Dairy)	Spartanburg
Smith, J. G. (4 AH)	Orangeburg
Smith, J. L. (2 A-AH)*	Hawkinsville, Ga.
Smith, J. O. (1 TM)	Donalds
Smith, J. S. (1 E-TE)*	Pauline
Smith, J. W. (3 Hort)	Lancaster
Smith, K. (3 EE)	Duncan
Smith, K. B. (4 A&S)	Savannah, Ga.
Smith, K. E. (1 A&S)*	Woodruff
Smith, K. T. (2 ME)*	Greenville
Smith, K. Y. (3 Arch)	Liberty
Smith, R. C. (3 Agron)	Bishopville
Smith, R. D. (4 ME)	Belton
Smith, Robert E. (4 ME)	Seneca
Smith, Royal E. (2 A-Agron)	Mullins
Smith, R. G. (2 TE)	Greenville
Smith, R. M. (2 Ar En)	Greenville
Smith, R. W. (1 E-EE)*	Anderson
Smith, St. C. B. (3 TM)	Swannanoa, N. C.
Smith, S. H. (2 ME)	Allendale
Smith, S. W. (3 TM)	Greenville
Smith, W. B. (3 VAE)	Cades
Smith, W. E. (1 Ar En)	Charleston
Smith, W. M. (3 AH)	Oakland, Calif.
Smith, W. W. (4 AH)	Bowman
Smoak, J. M. (2 A-AH)	Pacolet
Snead, J. D. (2 TM)	Seneca
Snee, J. J. (2 TE)	Staten Island, N. Y.
Snipes, D. M. (1 VAE)*	Seneca
Snipes, H. B. (1 E-CE)*	Anderson
Snoddy, S. T. (4 Arch)	Rockingham, N. C.
Snow, J. J. (1 A-Agron)*	Henry
Snyder, P. (2 CE)	Spruce Pine, N. C.
Sobocinski, R. J. (1 A&S)	Pittsburgh, Pa.
Sofge, J. F. (3 TM)	Graniteville
Sompayrac, E. E. (2 A)	Society Hill
Soubeyroux, R. S. (2 Ar En)	Charleston
Southerlin, R. C. (1 A&S)	Marietta
Sowell, J. B. (4 ME)	Asheville, N. C.
Sowell, M. B. (3 VAE)	Elloree
Sox, H. W. (2 TM)	West Columbia
Spake, R. I. (1 VAE)*	Shelby, N. C.
Spender, G. W. (2 A-AH)	Maplewood, N. J.
Sperry, C. B. (4 TM)	Spartanburg
Spillers, J. C. (1 E-TE)*	Clinton
Springs, C. E. (3 Ag En)	Loris
Sprott, W. P. (1 E-ME)*	Lake City
Sprouse, E. B. (2 TM)	Travelers Rest
Squires, J. T. (2 A-AH)	Latta
Stabler, E. F. (4 EE)	North
Stall, I. E. (1 E-TE)*	Savannah, Ga.
Stalvey, A. D. (4 Pre-Med)	Georgetown
Stalvey, C. B. (2 Ed)	Myrtle Beach
Stamey, J. M. (4 Ag En)	Dewey Rose, Ga.
Stanaland, W. A. (2 A-Agron)	Ash, N. C.
Standrod, S. E. (2 ME)	Georgetown
Stanley, E. L. (Unc)†	Clemson
Stanley, G. F. (2 VAE)	Loris
Stanley, J. B. (1 A-Dairy)*	Kingstree
Stanley, L. M. (3 TM)	Conway
Stanley, T. E. (2 Arch)	Hampton
Stanley, W. J. (1 TM)	Lancaster
Stansell, G. T. (1 E-ME)*	Westminster
Stanton, H. E. (2 TM)	Cheraw
Starkey, W. D. (3 A&S)	Clemson
Steadman, M. E. (1 A&S)*	Walterboro
Steedly, W. M. (4 Agron)	Bamberg
Steele, E. L. (1 Chem)	Harrisonburg, Va.
Steele, R. H. (2 A-Ag Ec)*	Mars Hill, N. C.

Name and Course	Address
Stegall, H. (2 Ind Ed)	Pendleton
Steinmeyer, J. H. (1 A)*	Jacksonville, Fla.
Stenstrom, E. F. (Unc)†	Clemson
Stephens, G. A. (1 A-AH)*	Athens, Ga.
Stephens, J. H. (2 TM)	Greenville
Stephens, L. M. (2 Pre-For)	Canton, N. C.
Stephenson, J. W. (2 A-AH)*	Winnsboro
Stevens, H. E. (2 A-Ag Ec)	Conway
Stevens, J. T. (4 Ind Phys)	Washington, D. C.
Stevenson, E. A. (1 E-Ag En)*	Ulmers
Stevenson, J. A. (4 ME)	Sumter
Stevenson, R. J. (1 VAE)*	Seneca
Stevenson, R. M. (2 A-AH)	Charlotte, N. C.
Stewart, C. D. (4 TM)	Clemson
Stewart, J. R. (3 TE)	Clemson
Stewart, J. W. (2 ME)	Fountain Inn
Stewart, R. S. (1 VAE)	Fountain Inn
Stewart, W. F. (2 VAE)	Fountain Inn
Still, W. C. (1 A&S)	Philadelphia, Pa.
Stilley, W. A. (1 Ind Ed)	Conway
Stockman, B. R. (2 TM)	Prosperity
Stoddard, L. C. (2 VAE)	Fountain Inn
Stokes, A. T. (4 ME)	Greer
Stokes, R. R. (1 E-ME)*	Greenville
Stone, C. B. (4 TM)	Williamston
Stone, W. L. (1 VAE)	Pamplico
Storey, P. E. (3 EE)	Greenville
Stoudemire, H. B. (1 A-Agron)*	Elloree
Stoudenmire, S. W. (3 VAE)	Lonestar
Stovall, J. H. (3 CE)	Elberton, Ga.
Stover, F. R. (3 VAE)	Kershaw
Stover, L. M. (3 VAE)	Kershaw
Stribling, C. V. (4 A&S)	Seneca
Stribling, H. L. (4 EE)	Charleston
Stribling, W. R. (4 A&S)	Pelzer
Strickland, C. H. (3 Dairy)	Oakboro, N. C.
Strickland, G. M. (3 Ch En)	Concord, Ga.
Strom, J. G. (4 TM)	McCormick
Strong, H. H. (1 E-EE)*	Sumter
Strother, E. D. (1 A-AH)*	Plum Branch
Stroud, D. D. (4 ME)	Lyman
Stroud, H. D. (3 TE)	Richland
Strug, J. P. (4 EE)	Union
Stuck, K. E. (G)	Pomaria
Stuckey, J. F. (3 EE)	Hartsville
Stukes, O. L. (4 Pre-Med)	Manning
Sublette, R. A. (4 TM)	Westminster
Suddeth, J. A. (Unc)†	Clemson
Suggs, F. D. (4 TE)	Anderson
Sullivan, S. B. (4 A&S)	Anderson
Summer, F. J. (2 Arch)	Newberry
Summers, D. C. (1 E-TE)*	Charlotte, N. C.
Sundberg, E. E. (2 TM)	Reading, Pa.
Sutherland, F. G. (1 TM)	Spartanburg
Sutton, B. K. (4 TM)	Greenville
Swan, R. S. (1 E-ME)	Greenville
Sweatman, M. R. (3 TM)	Charleston
Swett, J. A. (2 A-Poul)	Dunbarton
Swittenberg, R. L. (2 A&S)	Anderson
Swygert, L. S. (4 AH)	Waterloo
Taber, W. R. (3 ME)	Greenville
Tait, R. K. (1 E-ME)	Brunswick, Ga.
Tankersley, C. E. (3 EE)	Augusta, Ga.
Tanner, J. P. (2 A-AH)	Hemingway
Tarleton, H. H. (4 Arch & Ar En)	Union
Tarrant, W. B. (2 ME)	Columbia
Tate, J. M. (3 AH)	Gaffney
Taylor, A. P. (3 A&S)	Charleston
Taylor, C. B. (2 TM)	Lancaster
Taylor, C. C. (4 Ag Ec)	Greenville
Taylor, C. E. (3 Ar En)	Lexington
Taylor, D. E. (2 Ch En)*	Lexington
Taylor, E. G. (2 EE)	Columbia
Taylor, E. R. (1 A-Hort)*	Greer

Name and Course	Address
Taylor, G. E. (2 TM)	Newnan, Ga.
Taylor, G. W. (1 TM)	Pelzer
Taylor, J. E. (1 E-CE)*	Johnsonville
Taylor, K. Z. (1 Ind Ed)	Liberty
Taylor, R. F. (3 VAE)	Gilbert
Taylor, R. N. (4 TE)	Spartanburg
Taylor, R. P. (4 CE)	Greenville
Taylor, W. C. (1 A-AH)*	Greenville
Taylor, W. F. (3 TC)	Charleston
Taylor, W. M. (4 EE)	Anderson
Tedder, J. B. (3 Ag En)	Cherryville, N. C.
Temple, W. W. (2 TM)	Level Land
Terry, A. M. (4 EE)	Iva
Terry, J. E. (3 VAE)	Iva
Thackston, L. P. (1 Pre-Med)*	Orangeburg
Thayer, W. B. (2 ME)	Spartanburg
Thelen, H. M. (1 E-EE)*	Greenwood
Thomas, C. A. (2 A-Ent)	Longs
Thomas, C. H. (4 Ag En)	Holly Hill
Thomas, C. T. (1 E-CE)	Walhalla
Thomas, E. H. (1 E-ME)	Walterboro
Thomas, J. B. (1 E-ME)*	Coronaco
Thomas, J. H. (2 TM)	Trion, Ga.
Thomas, J. L. (4 Ar En)	Dillon
Thomas, K. G. (1 E-TE)*	Monroe, Ga.
Thomas, L. W. (1 E-EE)*	Pauline
Thomas, W. F. (4 TM)	Calhoun Falls
Thomason, J. M. (4 CE)	Toccoa, Ga.
Thomason, P. W. (1 E-TE)*	Cowpens
Thompson, A. L. (4 Ind Phys)	Anderson
Thompson, C. A. (3 TM)	Georgetown
Thompson, D. T. (G)*	Honea Path
Thompson, F. D. (1 A-AH)*	Piedmont
Thompson, F. M. (1 E-TE)*	Augusta, Ga.
Thompson, G. N. (3 TC)	Langley
Thompson, H. H. (2 TM)	North Augusta
Thompson, J. C. (3 TM)	Honea Path
Thompson, J. R. (2 A&S)	Washington, D. C.
Thompson, J. T. (3 EE)	Charlotte, N. C.
Thompson, J. V. (2 Ed)	Saxonburg, Pa.
Thompson, O. N. (3 A&S)	Columbia
Thompson, R. (1 Ind Phys)*	Lakeland, Fla.
Thompson, R. B. (1 A&S)	Walterboro
Thompson, S. G. (1 TM)*	Naval Base
Thompson, W. C. (2 TM)	Greenwood
Thompson, W. L. (2 TC)	Honea Path
Thompson, W. W. (1 E-EE)*	Pauline
Thorne, T. F. (1 Ind Ed)*	Dundalk, Md.
Thorne, W. C. (4 EE)	Sumter
Threatt, M. B. (1 TM)	Lancaster
Thruston, M. G. (2 TM)	Greenville
Tice, N. R. (2 TM)	Brooklyn, N. Y.
Tidwell, R. (1 E-CE)	Greenville
Till, C. E. (4 VAE)	Ruffin
Till, H. G. (3 Ag En)	Orangeburg
Tiller, J. W. (2 A-Agron)	Mayesville
Timmerman, D. S. (4 EE)	Augusta, Ga.
Timmerman, G. R. (3 A&S)	Charleston
Timms, S. M. (4 TE)	Anderson
Tindal, W. M. (4 TE)	Greenville
Tinsley, J. A. (4 Ind Ed)	Easley
Tinsley, S. W. (2 A-Ag Ec)	Spartanburg
Tisdale, W. M. (4 TM)	Sumter
Tobin, H. M. (4 TC)	North Charleston
Todd, E. S. (1 TM)*	Charlotte, N. C.
Todd, J. N. (4 ME)	Washington, D. C.
Todd, W. R. (1 E-ME)	Greenwood
Tolbert, J. R. (1 A-Dairy)*	Anderson
Tollison, L. C. (1 E-ME)*	Union
Tominack, I. L. (3 Ch En)	Windsor Heights, W. Va.
Tommie, W. J. (2 Pre-Med)	Mountville
Tompkins, P. P. (3 ME)	Summerville
Toney, C. C. (4 TM)	Richland

Name and Course	Address
Toomey, W. G. (1 E-Ag En)	Mount Holly, N. C.
Torgeson, S. A. (2 ME)*	Charlotte, N. C.
Townes, J. H. (4 Arch)	Pickens
Townsend, F. D. (1 E-EE)*	Columbia
Townsend, J. C. (2 Ag En)	Orlando, Fla.
Trakas, P. N. (4 Pre-Med)	Spartanburg
Trapp, L. W. (1 E-TE)*	Darlington
Trask, L. P. (1 A-Dairy)*	Burton
Tribble, J. C. (1 E-ME)	Greenwood
Tribble, R. M. (2 ME)	Greenwood
Trimmier, L. G. (1 A-AH)*	Bedford, Pa.
Triplett, J. T. (3 CE)	Chester
Tripp, P. D. (2 CE)	Greenville
Trotter, M. (1 TM)	Greenville
Trowell, L. M. (4 AH)	Lena
Trstensky, W. R. (1 Arch)*	Carteret, N. J.
Truelove, J. E. (1 E-TE)*	Monroe, Ga.
Truesdale, B. (1 TM)*	Kershaw
Tucker, H. (1 Ed)*	Williamston
Tucker, W. R. (1 E-EE)*	Iva
Turnage, L. W. (3 ME)	Hartsville
Turner, A. N. (4 A&S)	Reidsville, N. C.
Turner, A. R. (1 E-EE)*	Greenville
Turner, C. R. (1 VAE)*	Pelzer
Turner, G. (1 E-EE)*	Greenville
Turner, G. C. (2 EE)	Marion
Turner, H. C. (3 EE)	Greenville
Turner, H. E. (3 Arch)	Greenville
Turner, J. H. (3 TM)	Spartanburg
Turner, L. W. (1 A)*	Pamplico
Turner, M. N. (3 TM)	Spartanburg
Turner, T. H. (1 Arch)	Greenville
Turner, T. P. (3 Ar En)	Gaffney
Turner, W. B. (4 Ind Ed)	Blacksburg
Turner, W. W. (4 Ag En)	Travelers Rest
Turpin, B. A. (1 E-EE)*	Piedmont
Tuten, C. R. (3 AH)	Ridgeland
Tuten, K. L. (1 E-ME)*	Varnville
Tuten, R. L. (1 A-AH)*	Ridgeland
Tyler, H. H. (4 TC)	Aiken
Tyler, H. K. (1 E-ME)	Hampton, Va.
Tyson, S. D. (1 E-EE)*	Lumberton, N. C.
Uldrick, J. P. (3 CE)	Donalds
Ullnick, B. (4 TM)	Paterson, N. J.
Ulmer, C. R. (3 TM)	Greenville
Ulmer, F. S. (3 EE)	Brunson
Ulmer, H. E. (4 Chem)	Hartsville
Ulmer, J. S. (3 Agron)	North
Ulmer, R. B. (1 E-CE)*	Elloree
Upright, C. M. (2 ME)	Mooresville, N. C.
Vaigneur, H. O. (1 E-Ag En)	Ridgeland
Vance, C. E. (1 E-EE)	Greenville
VanderSchans, P. A. (3 Arch)	Glen Ridge, N. J.
Van Ham, R. N. (3 TM)	Auburn, Maine
Van Hook, E. (3 Ch En)	Atlanta, Ga.
Vansant, F. B. (3 VAE)	Leesville
Van Vliet, R. S. (1 TM)*	Short Hills, N. J.
Varn, H. L. (1 E-Ch En)*	Columbia
Varn, H. P. (1 E-Ch En)*	Columbia
Varn, H. W. (3 CE)	Walterboro
Varn, R. B. (1 E-ME)*	Charleston
Varner, J. F. (3 Ind Ed)	Ashland, Ga.
Varner, J. R. (3 TM)	Buffalo
Vassy, T. M. (1 TC)*	Gaffney
Vaughan, O. H. (3 ME)	Seneca
Vaughn, W. D. (4 Ar En)	Union
Vause, R. J. (1 E-ME)*	Salters Depot
Vause, T. J. (1 A-AH)*	Timmonsville
Veal, C. D. (3 ME)	Cedartown, Ga.
Veale, J. C. (1 Ar En)	Savannah, Ga.
Veazey, W. H. (2 ME)*	Greenville
Vehorn, B. L. (4 ME)	Boston, Mass.
Verdin, R. M. (1 A-AH)*	Simpsonville
Vereen, C. M. (1 TM)	Little River
Vermillion, R. J. (4 VAE)	Ware Shoals
Vernon, R. J. (4 Ind Ed)	Greenville
Vick, W. T. (3 Ag En)	Lancaster
Vickery, K. N. (Unc)†	Clemson
Vickery, L. L. (1 Pre-Med)	Central
Villardi, R. E. (1 A-Dairy)*	Plainville, Conn.
Vinson, J. L. (4 TM)	Union
Vite, R. G. (1 E-ME)*	Towanda, Pa.
von Glahn, E. H. (3 Arch)	Charleston
Von Harten, C. H. (3 ME)	Beaufort
Von Harten, E. C. F. (1 E-ME)*	Beaufort
Von Kaenel, J. C. (3 ME)	Monroe, Wis.
Wade, D. A. (1 E-ME)	Spartanburg
Wade, G. L. (1 Pre-Med)*	Timmonsville
Wade, J. D. (2 Ed)	Lenoir City, Tenn.
Wade, R. W. (4 ME)	Greenville
Walden, C. M. (4 Ag En)	Landrum
Waldrep, T. A. (1 TM)*	Greenville
Waldrop, J. R. (1 E-TE)*	Greenville
Waldrop, W. A. (1 TC)*	Taylors
Waldt, M. G. (1 Pre-For)*	Seneca
Walker, A. W. (2 A&S)	McDonough, Ga.
Walker, H. O. (3 Ar En)	Union
Walker, H. P. (4 Pre-Med)	Fort Mill
Walker, J. E. (1 Pre-Med)*	Charleston
Walker, W. H. (2 TM)	Laurens
Walker, W. S. (3 VAE)	Blackville
Wall, H. L. (1 E-ME)*	Wadesboro, N. C.
Wall, M. H. (3 Ag Ec)	Lyman
Wallace, T. E. (4 Agron)	Bennettsville
Wallace, W. W. (1 TM)	Seneca
Walsh, A. A. (2 EE)	West Englewood, N. J.
Walters, D. M. (2 CE)	Salisbury, N. C.
Walters, H. R. (1 E-ME)	St. George
Walters, J. F. (1 E-CE)*	Mullins
Walters, J. V. (G)†	Clemson
Walton, W. L. (4 ME)	Ellenton
Walton, W. T. (1 E-ME)*	Burton
Waltz, M. R. (2 CE)	Barnwell
Wannamaker, R. L. (2 ME)	Columbia
Ward, B. (1 VAE)*	Scranton
Ward, J. A. (1 TM)*	Jackson, Tenn.
Ward, R. D. (1 A)	Chester
Ward, T. (3 Ch En)	McClellanville
Ware, A. L. (2 EE)	Greenville
Ware, C. B. (3 Agron)	Due West
Ware, G. D. (4 ME)	Iva
Ware, M. T. (3 EE)	Iva
Warman, L. L. (1 A-Ag Ec)	Danville, Ind.
Warner, A. E. (1 E-Ag En)*	Greenwood
Warner, C. H. (4 Ag En)	Wagener
Warren, J. F. (2 CE)	Charlotte, N. C.
Warren, T. A. (4 AH)	Prosperity
Warrick, A. E. (4 TM)	Old Hickory, Tenn.
Washington, E. J. (2 TM)	Pelzer
Waters, J. D. (3 TM)	Johnston
Watkins, C. B. (2 Ch En)	Augusta, Ga.
Watkins, C. E. (1 E-Ag En)*	Westminster
Watkins, F. M. (4 EE)	Greenville
Watkins, G. L. (2 VAE)	Hartsville
Watkins, W. E. (4 CE)	Greenville
Watkins, W. Y. (1 TM)*	Ware Shoals
Watson, A. W. (4 CE)	Easley
Watson, C. K. (4 Dairy)	Anderson
Watson, D. H. (1 Arch)	McClellanville
Watson, H. J. (4 EE)	Anderson
Watson, J. A. (1 E-EE)*	Marion
Watson, R. B. (1 E-ME)*	Blenheim
Watson, R. D. (1 TM)*	Mardela, Md.
Watt, E. B. (PG Arch)	Hartsville
Watt, F. L. (2 TM)	Pelzer

Name and Course	Address
Watt, M. F. (1 TM)*	Pelzer
Watts, A. J. (4 ME)	Mayesville
Way, R. E. (4 ME)	Branchville
Weatherly, R. M. (1 E-EE)*	Cartersville
Weaver, G. E. (2 A-Hort)	Darlington
Webb, E. W. (3 TM)	Marion
Webb, J. E. (2 ME)	Hazel Green, Ala.
Webb, L. W. (1 A-AH)	Ridgeland
Webb, N. J. (1 A-AH)*	Newport News, Va.
Weed, H. F. (4 Hort)	Irmo
Weedon, C. H. (2 Chem)	Rutherfordton, N. C.
Weekley, L. C. (1 A-AH)*	Varnville
Weeks, J. J. (3 ME)	Charlotte, N. C.
Weeks, P. H. (3 Ag En)	Aiken
Weill, S. B. (2 CE)*	Clio
Weinberg, P. M. (1 TM)*	Sumter
Weismiller, R. F. (1 TM)*	Washington, D. C.
Weisner, L. E. (4 EE)	Laurens
Welborn, D. T. (3 AH)	Chester
Weldon, R. D. (2 TM)	Charleston
Wells, A. H. (1 Cr En)*	Columbia
Wells, E. R. (1 TM)	Gaffney
Wells, J. D. (3 A&S)	Sumter
Wells, L. R. (1 E-CE)*	Orangeburg
Welsh, F. M. (PG ME & TE)	Abbeville
Welsh, W. T. (2 ME)	Anderson
Welter, J. F. (2 A-Poul)	Greenville
Wenck, F. W. (1 Pre-Med)	Fountain Inn
Wendell, H. P. (2 TM)	Long Beach, N. Y.
Wertz, J. D. (1 A&S)	Saluda
Wessinger, E. (1 E-TE)*	Newberry
Wessinger, H. O. (2 A-Dairy)	West Columbia
Wessinger, J. E. (4 Dairy)	Leesville
Wessinger, N. C. (4 A&S)	Springfield
West, C. E. (2 TM)	Spartanburg
West, H. E. (1 E-EE)*	Cedartown, Ga.
West, H. S. (4 TM)	Union
West, R. K. (3 VAE)	Cameron
Westbury, J. A. (1 E-Ch En)	Buffalo, N. Y.
Westbury, S. A. (1 E-CE)*	Charleston
Westbrook, R. A. (4 VAE)	Blacksburg
Westmoreland, R. N. (4 TC)	Winston-Salem, N. C.
Westmoreland, R. W. (4 TE)	Greenville
Westmoreland, W. A. (4 Poul & VAE)	Clover
Whaley, C. G. (2 ME)	Centenary
Wham, R. D. (4 Agron)	Mountville
Whatley, V. (1 E-CE)*	Allendale
Wheatley, L. M. (3 A&S)	Kathwood
Wheless, H. H. (3 Ag En)	Thomaston, Ga.
Whetstone, W. V. (2 TM)	Denmark
Whitaker, C. A. (1 TC)	Union
White, A. C. (3 Ent)	Clearwater, Fla.
White, D. N. (1 E-TE)*	Clover
White, F. D. (1 A-AH)*	Inman
White, J. C. (2 CE)	Inman
White, L. G. (3 ME)	Gaffney
White, L. I. (1 E-ME)	Florence
White, M. W. (4 ME)	Charlotte, N. C.
White, W. E. (1 A-AH)	Fort Mill
White, W. P. (4 EE)	Greenville
Whitehead, B. J. (1 TM)*	Chester
Whitehead, C. J. (2 TM)	Greenville
Whitesides, H. D. (1 E-ME)*	Chester
Whitesides, H. S. (3 EE)	Chester
Whitesides, J. C. (1 A-AH)*	Clover
Whitfield, L. L. (1 TM)*	Anderson
Whitfield, N. C. (2 TM)	Townville
Whitlaw, G. L. (1 E-Ag En)*	North Augusta
Whitlaw, J. L. (3 ME)	North Augusta
Whitmire, F. L. (2 A)	Seneca
Whitmire, J. B. (4 VAE)	Griffin, Ga.
Whitmire, R. J. (3 A&S)	Asheville, N. C.
Whitmire, T. E. (3 Ar En)	Asheville, N. C.
Whitten, D. L. (2 TM)	Pell City, Ala.
Whitten, F. O. (1 Pre-Med)*	Pell City, Ala.
Whitten, W. A. (1 A&S)	Anderson
Whittle, R. O. (1 VAE)	Ward
Wicker, A. R. (2 ME)	Newberry
Wickham, F. L. (2 TM)	Charlottesville, Va.
Wiggins, K. N. (1 A-Dairy)*	Charleston
Wigington, J. R. (1 A)*	Easley
Wilbanks, J. T. (1 TM)	Clemson
Wiley, H. S. (3 ME)	McCormick
Wilkerson, J. S. (4 Ind Phys)	Hickory Grove
Wilkerson, R. E. (3 AH)	Hickory Grove
Wilkes, C. V. (1 VAE)*	Norway
Wilkie, W. J. (1 E-EE)	Summerton
Wilkins, H. O. (2 ME)*	Germantown, Tenn.
Wilkins, R. I. (4 Arch)	Florence
Williams, C. D. (2 TM)	Lancaster
Williams, Carroll F. (2 Ag En)	Landrum
Williams, Clarence F. (4 TE)	Orangeburg
Williams, D. B. (3 Ag Ec)	Landrum
Williams, H. R. (1 VAE)	Smoaks
Williams, J. A. (3 VAE)	Naval Base
Williams, J. F. (G Chem)†	York
Williams, J. K. (3 TE)	McBee
Williams, J. S. (4 TM)	Anderson
Williams, J. W. (3 CE)	Spartanburg
Williams, L. E. (2 Ar En)	Hampton, Va.
Williams, M. S. (2 Ag En)*	Moore
Williams, R. N. (3 TM)	Spartanburg
Williams, V. K. (1 VAE)	Swansea
Williams, V. M. (1 TM)*	Woodruff
Williams, W. B. (G Ind Ed)†	Clemson
Williams, W. C. (3 Ind Ed)	Central
Williams, W. N. (1 A)*	Plainview, Tex.
Williamson, C. E. (1 TM)*	La France
Williamson, D. M. (3 ME)	Naval Base
Williamson, J. A. (1 Arch)	Naval Base
Williamson, J. C. (1 TM)*	Mt. Croghan
Williamson, J. G. (3 TE)	Timmonsville
Williamson, N. E. (4 AH)	McConnellsville
Williamson, W. T. (1 A-Dairy)	Naval Base
Willis, A. E. (3 TM)	Chicopee, Ga.
Willis, R. R. (2 TM)	Gaffney
Willis, S. M. (3 TM)	Greenwood
Wilson, C. A. (1 A-AH)	Bamberg
Wilson, C. T. (4 A&S)	Allendale
Wilson, D. N. (3 CE)	Greenville
Wilson, E. L. (2 TM)	Springfield
Wilson, F. O. (2 A&S)	Lyman
Wilson, H. W. (2 TM)	Greenville
Wilson, J. C. (3 EE)	Greenville
Wilson, J. F. (1 A-Dairy)	Newberry
Wilson, J. H. (3 TM)	Blacksburg
Wilson, J. Kenneth (1 VAE)	Cades
Wilson, J. Kermit (4 A&S)	Wellford
Wilson, L. E. (3 TM)	Spartanburg
Wilson, M. C. (4 CE)	Darlington
Wilson, R. G. (3 EE)	Greenwood
Wilson, R. L. (1 Ed)*	Wampee
Wilson, T. C. (2 ME)	Greenwood
Wilson, T. D. (3 Ag Ec)	Cades
Wilson, W. L. (3 TM)	Williamston
Winburn, W. C. (4 VAE)	Hartsville
Windsor, W. D. (4 TM)	Pell City, Ala.
Wingard, H. C. (4 TE)	Lexington
Wingard, R. D. (2 A-AH)	Lexington
Winn, J. C. (2 VAE)	McCormick
Wise, K. C. (3 TM)	Prosperity
Wise, L. M. (4 TM)	Greenville
Wise, P. N. (1 E-ME)*	Vaucluse

Name and Course	Address
Wisniewski, E. A. (1 A-Dairy)*	Glenshaw, Pa.
Withers, G. W. (1 E-TE)*	Spencer, N. C.
Withers, R. F. (1 Ar En)*	Charleston
Witherspoon, D. M. (1 VAE)*	Lamar
Witherspoon, J. M. (1 A)*	Gable
Witt, D. H. (3 TE)	Swansea
Witt, L. H. (2 ME)	Swansea
Wofford, B. E. (1 TM)	Schoolfield, Va.
Wofford, W. H. (1 TM)*	Enoree
Wolfe, E. C. (3 AH)	Inman
Wolfe, G. A. (3 VAE)	Inman
Wolfe, H. Z. (1 E-Ch En)*	Williston
Wolfe, J. D. (1 E-EE)	Rock Hill
Wolfe, R. M. (3 EE)	Rock Hill
Womack, J. P. (1 Chem)*	Cheraw
Wood, A. L. (4 TE)	Newberry
Wood, F. K. (1 TM)*	Washington, D. C.
Wood, James C. (1 TM)*	Drayton
Wood, John C. (1 E-ME)*	Pendleton
Wood, J. R. (2 TM)	York
Wood, L. A. (4 TM)	Ware Shoals
Wood, R. J. (1 Ar En)	Marion
Wood, W. A. (G)†	Clemson
Wood, W. K. (1 Pre-Med)*	Florence
Woodcock, F. E. (4 Ag Ec)	Pelzer
Woodfin, J. W. (3 Ag En)	Inman
Woodham, B. G. (4 Arch)	McColl
Woodham, H. B. (2 A&S)	Bishopville
Woodle, H. A. (3 Ch En)	Clemson
Woodle, W. H. (1 A)*	Dillon
Woods, S. G. (2 A-AH)	Greenville
Woodward, A. Q. (3 A&S)	Aiken
Woodward, N. E. (2 Ag En)	Aiken
Woollen, C. L. (3 ME)	Atlanta, Ga.
Wooten, L. E. (3 Ch En)	Greenville
Workman, O. G. (1 E-CE)*	Rock Hill
Workman, R. R. (4 Arch)	Charlotte, N. C.
Worley, J. L. (1 E-Ag En)*	Windsor
Worth, H. P. (3 TE)	Greenville
Worth, W. T. (2 TE)	Greenville
Worthy, H. R. (4 ME)	Lockhart
Wright, B. C. (2 A&S)	Belton
Wright, F. D. (4 CE)	Biltmore, N. C.
Wright, F. L. (1 E-EE)	Chester
Wright, H. G. (4 EE)	Shelton
Wright, J. A. (1 E-EE)*	Belton
Wright, M. B. (2 A-Agron)*	Fair Bluff, N. C.
Wright, R. M. (1 E-CE)*	Rock Hill
Wright, T. S. (1 E-CE)	Sumter
Wrightenberry, E. G. (1 Ed)	Burlington, N. C.
Wylie, J. T. (1 TM)*	Blacksburg
Wylie, R. E. (1 TM)*	Charlotte, N. C.
Wylie, W. C. (2 TC)	Rock Hill
Wylie, W. L. (3 TE)	Winnsboro
Wylie, W. O. (3 TM)	Chester
Wyndham, E. G. (4 AH)	Moncks Corner
Wyndham, S. F. (3 AH)	Moncks Corner
Wyse, J. A. (3 TM)	Spartanburg
Yarborough, F. K. (4 ME)	Mooresboro, N. C.
Yarbrough, D. R. (4 TM)	York
Yarbrough, J. R. (2 Arch)	Salisbury, N. C.
Yecko, G. F. (3 Arch)	McDonald, Pa.
Yelton, T. L. (1 TC)*	Rutherfordton, N. C.
Yobs, R. L. (4 TM)	Columbia
York, C. O. (2 Ar En)*	Charlotte, N. C.
York, E. G. (1 E-EE)*	La France
Young, E. R. (4 TM)	Honea Path
Young, S. P. (4 Ag En)	Dalzell
Young, S. R. (1 TM)	Sumter
Youngblood, J. W. (1 A&S)*	Columbia
Zakim, G. (2 A&S)	Paterson, N. J.
Zatcoff, A. (1 TM)	Philadelphia, Pa.

 # SUPPLEMENTARY LIST OF STUDENTS SECOND SEMESTER, 1949-1950

Name and Course	Address
Abney, J. R. (2 Arch)*	Phoenix, Ariz.
Alewine, L. D. (1 A&S)*	Brevard, N. C.
Allison, R. F. (2 TM)	Swannanoa, N. C.
Avin, R. E. (1 VAE)*	Manning
Baker, E. M. (1 Pre-Med)*	Columbia
Ballentine, T. F. (1 E-ME)*	Blythewood
Bates, J. S. (1 VAE)*	Moncks Corner
Becker, C. L. (Unc)	Clemson
Bellamy, O. H. (Unc)	Florence
Bennett, C. C. (Unc)†	Clemson
Berry, R. West (1 A&S)*	Petersburg, Va.
Bickers, J. R. (G Ag Ec)*†	Easley
Blackwell, H. E. (2 TM)	Gaffney
Bolt, R. S. (1 E-CE)	Gray Court
Breazeale, H. A. (1 A-AH)*	Pendleton
Breit, E. D. (1 TM)*	Brooklyn, N. Y.
Brooks, R. M. (1 TM)*	Pendleton
Bryan, D. F. (Unc)*†	Clemson
Burley, M. M. (3 Ind Ed)	Spartanburg
Byars, E. F. (Unc)†	Clemson
Cannon, R. B. (1 Arch)*	Winston-Salem, N. C.
Carter, C. L. (1 A&S)*	Westminster
Cheek, F. L. (2 A-Poul)	Honea Path
Clayton, L. E. (G)*	Clemson
Collier, E. P. (1 VAE)	Harleyville
Connell, J. C. (1 E-ME)*	West Columbia
Conyers, J. W. (1 TM)	Kershaw
Couch, J. H. (Unc)†	Clemson
Cox, G. H. (3 Ind Ed)	Easley
Crawford, J. H. (Unc)†	Clemson
Curley, J. P. (2 TM)	Augusta, Ga.
Dabney, F. D. (2 TM)	Rock Hill
Darby, G. M. (2 Ind Ed)	Mt. Pleasant
Davenport, C. F. (1 E-ME)	Greenville
Davenport, R. (1 TM)*	Piedmont
Deason, J. T. (3 TM)	McCormick
Demosthenes, H. J. (2 Arch)	Beaufort
Driggers, A. N. (1 VAE)	Walterboro
Duncan, W. G. (1 Ar En)	Greenwood
Eaker, R. E. (1 A-Poul)*	Cherryville, N. C.
Eason, H. L. (3 AH)	Sumter
Easterby, H. A. (1 E-EE)	Columbia
Edwards, A. W. (1 A-Agron)*	Greenville
Ellis, L. D. (1 Pre-Med)*	Aiken
Ellison, W. S. (1 E-EE)*	Seneca
Feldman, S. I. (1 Pre-Med)*	Charleston
Fickling, A. H. (1 A-AH)	Ridgeland
Flanagan, J. G. (1 VAE)*	Clover
Forr, H. J. (2 ME)*	Philadelphia, Pa.
Gann, W. T. (2 Arch)*	Phoenix, Ariz.
Garrard, J. E. (2 ME)	Chattanooga, Tenn.
Garren, J. W. (2 Arch)	Spartanburg
Garrett, J. S. (1 A&S)*	Six Mile
Gerritsen, B. H. (Unc)†	Clemson
Godwin, C. L. (1 VAE)	Summerton
Goforth, C. C. (3 VAE)	Gaffney
Graham, J. S. (Unc)†	Clemson
Gregg, J. H. (1 E-EE)	Effingham
Gregg, J. M. (2 A&S)	Hemingway
Gregory, F. M. (1 E-CE)*	Spartanburg
Griffin, J. A. (1 TC)	Fort Mill
Groves, W. F. (1 Arch)*	Naval Base
Guilbert, L. C. (1 A-Hort)*	Ridgefield, N. J.
Gunn, P. J. (2 TM)*	Norfolk, Va.
Hallmark, G. D. (Unc)*†	Clemson
Hamilton, J. H. (3 Ag En)	Fort Mill
Hamiter, W. L. (1 TC)*	Columbia
Hammond, A. F. (Unc)†	Clemson
Hammond, J. W. (G ME)	Williamston
Hancock, D. W. (1 Pre-Vet)*	Donalds
Haynes, H. G. (1 Arch)*	Charleston
Hendricks, R. (2 Cr En)†	Central
Hendrix, J. H. (2 CE)*	Shelby, N. C.
Hester, T. E. (1 A&S)	Beaufort
Humphries, J. C. (1 TM)*	Piedmont
Hutson, G. L. (1 A&S)	Orangeburg
Jack, G. B. (2 ME)	South Salem, N. Y.
Joyce, H. S. (3 Agron)	Stoneville, N. C.
Justice, W. G. (2 CE)	Spartanburg
Kirkwood, C. E. (Unc)†	Clemson
Kiser, J. R. (1 TM)*	Cherokee Falls
Kytle, H. W. (1 TM)*	La France
LaTorre, E. B. (1 Ar En)	Charleston
Lawrence, J. R. (1 Ar En)*	Greenville
Leach, J. D. (1 Ar En)*	Blacksburg
Lindell, L. (2 EE)*	Brooklyn, N. Y.
Lindsay, J. N. (3 EE)	Anderson
McElroy, E. (2 EE)	Seneca
McElveen, J. D. (2 A-AH)	Lake City
McKinnon, C. L. (2 CE)	Cheraw
McLees, J. H. (1 Pre-For)	Sumter
McLees, N. C. (Unc)*†	Walhalla
McMillan, S. (1 E-ME)*	Mullins
McMillan, T. W. (2 TM)	Central
MacDonald, P. F. (3 EE)	Charleston
Madlinger, G. J. (1 Arch)*	Memphis, Tenn.
Marlowe, W. H. (3 Agron)	McClellanville
Martin, T. H. (2 EE)*	Greenville
Mason, T. R. (1 A-Hort)	Westminster
Massey, A. D. (Unc)*†	Liberty
Mathis, E. H. (1 A-Ag Ec)	Columbia
Mays, W. M. (1 Ind Ed)	Walhalla
Merians, S. (2 TM)	Oxford, N. J.
Miller, B. C. (1 E-TE)*	Asheville, N. C.
Milne, W. (PG Arch)*	East Lansing, Mich.
Moore, J. L. (1 A-AH)*	Calhoun, Ga.
Moore, M. S. (2 A-Hort)	Charleston
Muckenfuss, A. A. (2 CE)	Florence
Mullinix, W. E. (Unc)†	Anderson
Nettles, T. C. (1 E-CE)*	Leo
Newton, C. G. (PG AH)	Myrtle Beach
Newton, P. B. (3 A&S)	Dillon
Nix, R. E. (Unc)†	Clemson
O'Neal, R. M. (1 TM)*	Anderson
Owens, D. (1 TM)	Greenville
Picardat, G. P. (1 E-Ag En)*	Petersburg, Va.
Pitts, P. Z. (2 CE)*	Savannah, Ga.
Plesur, J. (1 A-AH)*	Buffalo, N. Y.
Podgorny, L. J. (1 E-TE)*	Greenville
Poe, J. W. (1 Ar En)*	Charleston
Poe, O. S. (2 Ag En)	Rock Hill
Prince, W. R. (2 A-AH)	Iva
Reaves, H. L. (G Phys)*†	Clemson
Reid, T. P. (1 A&S)*	Walhalla
Richardson, J. B. (Unc)†	Clemson
Robinson, D. H. (Unc)†	Clemson
Rogers, Russell L. (1 A)	Durham, N. C.
Ross, G. O. (1 A)*	Fallston, N. C.
Rostron, J. P. (G CE)†	Clemson
Royal, J. H. (1 E-Ag En)	Clemson
Sanders, John D. (1 TM)	Chester
Sanders, R. M. (1 E-Ag En)	Frogmore
Seithel, M. B. (2 ME)	Charleston
Shapiro, M. H. (1 A-Dairy)*	Franklin Square, N. Y.
Shelley, R. C. (Unc)†	Clemson

Name and Course	Address
Sherard, S. (1 E-ME)	Toccoa, Ga.
Shillinglaw, J. R. (G)†	Sharon
Shouse, N. A. (1 Arch)	Whitmire
Taylor, C. E. (1 E-TE)*	Kershaw
Taylor, R. O. (1 E-TE)*	Kershaw
Timmerman, W. B. (1 E-ME)*	Clearwater
Tinsley, W. J. (1 A)*	Pendleton
Townsend, H. D. (1 TM)*	Laurens
Tumbleston, W. E. (1 A-AH)*	Summerville
Tuten, C. M. (1 E-ME)	Varnville
Tuten, J. M. (2 Ind Phys)	Greenville
Vaughan, J. G. (1 TM)*	Greenville
Vaught, H. R. (1 Pre-For)*	Nixonville
Warner, R. E. (4 AH)	Ninety Six
Weatherford, C. L. (1 E-ME)*	Kingsport, Tenn.
Weekley, R. J. (1 A-Dairy)*	Ulmers
Weghorn, C. A. (2 CE)*	Ridgewood, N. Y.
Werner, W. J. (1 Ar En)	Ware Shoals
Weston, T. I. (3 ME)	Columbia
Wheelon, J. W. (1 E-ME)*	Edneyville, N. C.
White, R. H. (2 ME)	Charlotte, N. C.
Whitmire, J. D. (1 TM)	Johnson City, Tenn.
Wickham, F. M. (1 TM)*	Westminster
Wiggins, R. L. (1 E-CE)*	Mullins
Wilson, V. W. (1 A-Poul)	Columbia
Woodard, S. L. (1 E-CE)*	Summit, N. J.
Youngblood, G. T. (1 Chem)*	Savannah, Ga.

#Students enrolled for the second semester who were not enrolled for the first semester. In this list, students are classified according to their credits at the beginning of the second semester; new students admitted at the beginning of the second semester are indicated by an asterisk (*); part-time students by a dagger (†).

NUMBER OF STUDENTS MAJORING IN EACH CURRICULUM

1949-1950

Classification	Agriculture	Agricultural Engineering	Pre-Forestry	Arts and Sciences	Industrial Physics	Pre-Medicine	Chemistry	Architectural Engineering	Architecture	Ceramic Engineering	Chemical Engineering	Civil Engineering
Senior	93	37	0	48	14	15	5	20	37	0	9	41
Junior	123	27	1	50	3	20	8	26	41	2	14	35
Sophomore	138	23	3	29	2	11	6	15	25	4	7	44
Freshman	213	60	19	65	4	51	13	31	49	5	22	86
Postgraduate												
Graduate												
Unclassified												
Total	567	147	23	192	23	97	32	92	152	11	52	206

Classification	Electrical Engineering	Mechanical Engineering	Textile Chemistry	Textile Engineering	Textile Manufacturing	Education	Industrial Education	Vocational Agricultural Education	Postgraduate	Graduate	Unclassified	Enrollment by Classes
Senior	49	69	12	39	150	7	19	32				696
Junior	53	59	10	30	157	5	22	52				738
Sophomore	60	96	10	25	154	13	20	41				726
Freshman	113	128	20	74	177	30	12	67				1239
Postgraduate									20			20
Graduate										62		62
Unclassified											41	41
Total	275	352	52	168	638	55	73	192	20	62	41	3522

ENROLLMENT BY COUNTIES AND STATES

1949-1950

County	*Total*
Abbeville	32
Aiken	69
Allendale	14
Anderson	229
Bamberg	23
Barnwell	14
Beaufort	24
Berkeley	9
Calhoun	12
Charleston	148
Cherokee	46
Chester	61
Chesterfield	32
Clarendon	24
Colleton	23
Darlington	55
Dillon	21
Dorchester	20
Edgefield	24
Fairfield	30
Florence	99
Georgetown	26
Greenville	321
Greenwood	78
Hampton	27
Horry	40
Jasper	19
Kershaw	19
Lancaster	32
Laurens	62
Lee	16
Lexington	42
Marion	48
Marlboro	32
McCormick	16
Newberry	42
Oconee	161
Orangeburg	70
Pickens	139
Richland	96
Saluda	17
Spartanburg	231
Sumter	57
Union	43
Williamsburg	29
York	102
South Carolina Total	2774

State or Country	*Total*
Alabama	12
Arizona	2
California	2
Connecticut	6
Costa Rica	1
Cuba	2
District of Columbia	19
Florida	44
Georgia	170
Illinois	4
Indiana	2
Kentucky	4
Louisiana	4
Maine	3
Maryland	9
Massachusetts	11
Michigan	3
Minnesota	1
Mississippi	2
Missouri	1
New Jersey	45
New York	53
North Carolina	227
Ohio	3
Pakistan	1
Pennsylvania	38
Rhode Island	2
South Carolina	2774
South Dakota	1
Tennessee	38
Territory of Hawaii	1
Texas	1
Virginia	29
West Virginia	6
Wisconsin	1
Grand Total	3522

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